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1990

United States
Department of
Agriculture

Forest
Service

National Forest Fire Report 1990

1990 National Forest Fire Report

United States Department of Agriculture
Forest Service

State and Private Forestry
Fire and Aviation Management Staff

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National Forest Fire Report 1990

Contents

2 1990 Fire Weather and Seasonal Severity Summary

4 1990 Fire Activity Summary

6 1990 Large Wildfire Occurence Report

8 1990 Land Ownership Protection Report - National Forest System

9 Chart - Percent of Total Wildfires by Statistical Cause

9 Chart - Percent of Acres Burned by Statistical Cause

10 Number of Wildfires by Size and Cause

11 Graph - Number of Wildfires Under National Forest Protection

11 Graph - Number of Person-Caused Fires Under National Forest Protection

12 Graph - Acres Burned Under National Forest Protection

12 Total Wildfires and Acres Burned Under National Forest Protection

13 Personnel Employed on Wildfire Management Activities

14 Graph - Cumulative Crew Deployment

14 Graph - Personnel Mobilized Through NICC

15 Table 1 - Number of Wildfires by Statistical Cause

25 Table 2 - Number of Wildfires by Statistical Cause by State

27 Table 3 - Number of Acres Burned by Statistical Cause by Region

37 Table 4 - Number of Wildfires & Acres Burned by Major Causes and Size Classes

38 Historical Statistics, 1910 - 1989, National Forest Protected Area

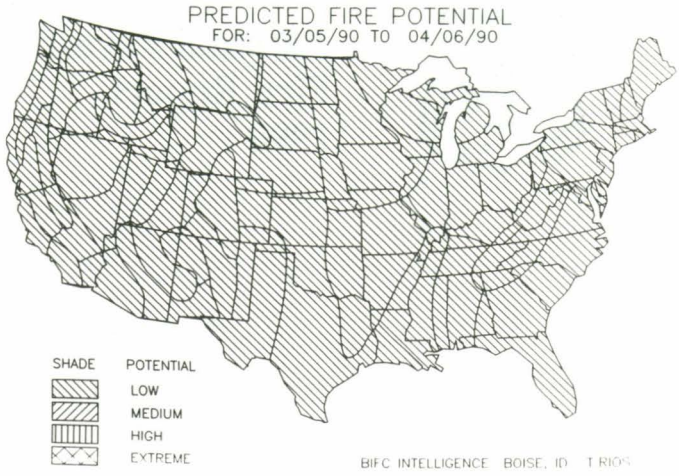
1990 Fire Weather and Seasonal Severity

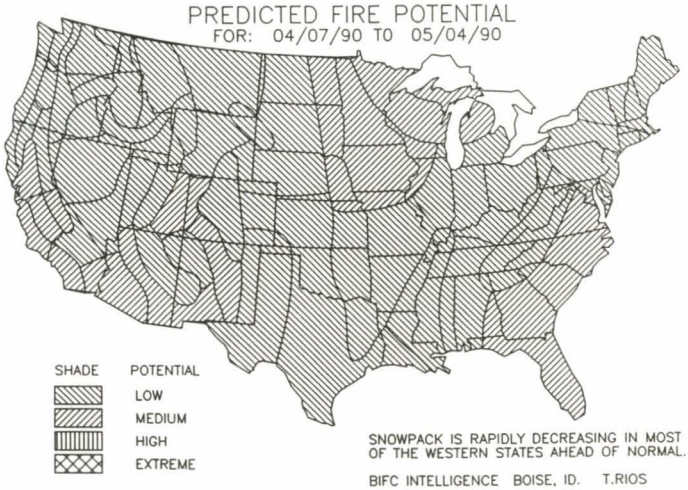
The fire season for 1990 began on a slower note than the previous 3 years. This was due mainly to the absence of any large fire activity east of the Continental Divide. The area east of the Continental Divide had a winter and spring season of generally normal or above normal precipitation, and this precluded any prolonged fire activity. However, much of the West and portions of the Southeast have been in varying stages of drought for the past 4/5 years. Relief in the form of much needed winter and spring precipitation was hoped for going into the winter of 1989-90. This hope was only partially realized, but was sufficient to temper the 1990 fire season in the West.

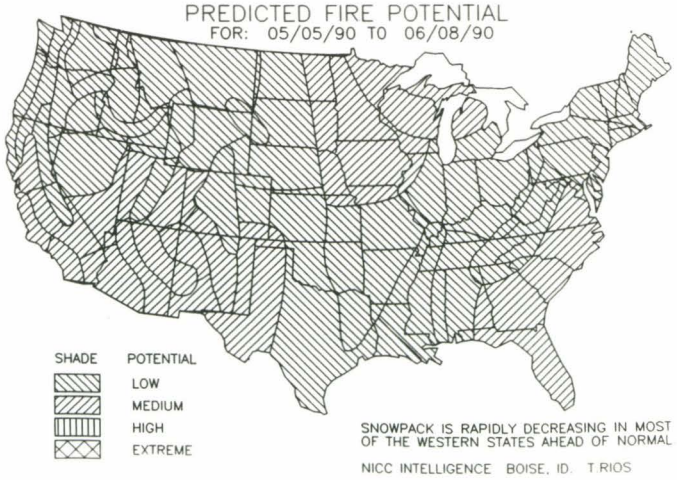
During the early spring months, storm systems did begin to break down the persistent ridge of high pressure in the West, resulting in much needed rainfall. A particularly wet period was noted in latter May into June, through much of the northwest and into northern and central California. These storms penetrated into the northern Intermountain Region, providing needed precipitation and favoring heavier amounts east of the Continental Divide.

The Southwest United States (Arizona and New Mexico) were generally deficient in rainfall during the winter and spring months, thus compounding the drought problem in those States. The result was a dramatic increase in fire activity beginning in May and continuing unabated through June. An abrupt halt to the fire activity came with the onset of the moist monsoonal flow from the south and southeast. This monsoonal flow continued through the remainder of the summer. It should be noted that many areas in the Southwest experienced rainfall above normal for the summer, which resulted in flood and flash flood activity.

Only scattered fire activity was reported over the remainder of the United States for most of June and July. The notable exception to this was in Alaska. A blocking pattern with a ridge of high pressure centered over eastern Alaska began in June



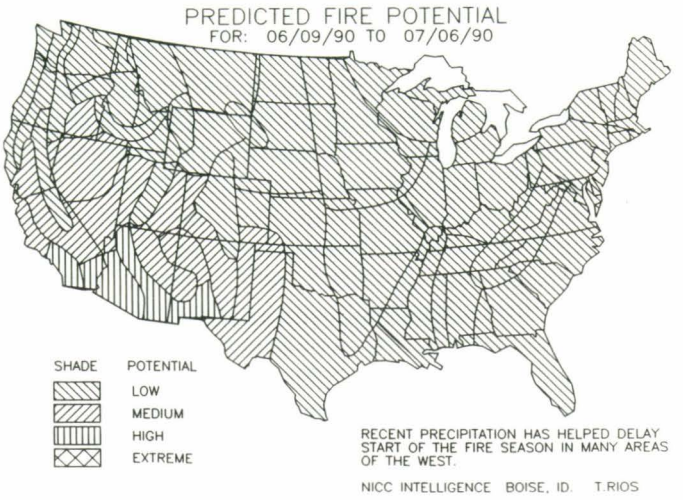


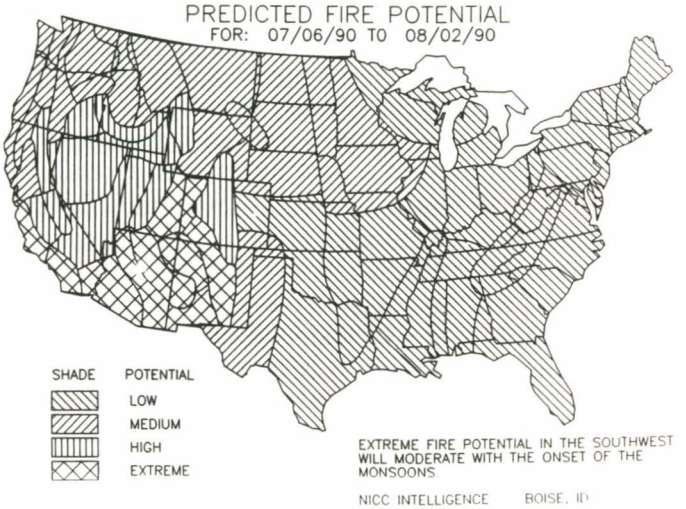


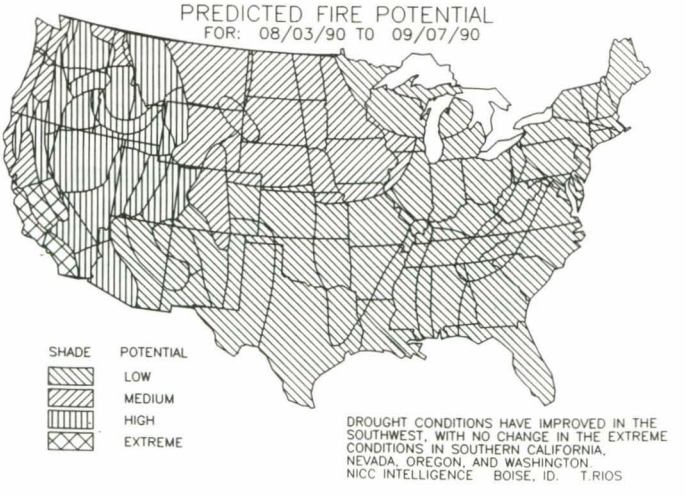
and continued through July. This pattern was responsible for above normal temperatures, low relative humidities, and occasional outbreaks of thunderstorm activity producing many fires. Alaska finally experienced a transition to a wetter and cooler regime during the first half of August, and the fires slowly abated.

During the first week of August, significant thunderstorm activity, mostly of the dry variety, circulated about a high pressure center in the west and spread fire activity from southern California to Oregon and into Idaho. The strong high pressure system broke down during the second and third weeks of August, thus allowing temperatures to cool and humidities to rise in many areas of the West. This allowed fire control agencies to gain containment of many of the large incidents that had started in the previous 2 weeks. Scattered precipiation fall over the West during the latter half of August and September was due to a persistent low pressure system that wandered up and down the Pacific Coast. This system did produce thunderstorms, but most were accompanied by precipitation and effectively tempered any further threat of a large fire outbreak in the West.

It should be noted that fire activity did occur east of the Continental Divide, but the only locations with any significant activity for the entire year were in southern Georgia and Florida. These fires were brought on by persistent dry conditions that resulted from high pressure being centered over that portion of the Nation. With a trough of low pressure further to the north, the combination of both of these systems resulted in a drier than normal westerly flow pattern and hot temperatures. This in turn led to dramatic drying of fuels and increased susceptibility to fire.






PREDICTED FIRE POTENTIAL
FOR: 08/03/90 TO 09/07/90
SHADE POTENTIAL
LOW
MEDIUM
HIGH
EXTREME
DROUGHT CONDITIONS HAVE IMPROVED IN THE SOUTHWEST, WITH NO CHANGE IN THE EXTREME CONDITIONS IN SOUTHERN CALIFORNIA, NEVADA, OREGON, AND WASHINGTON.
NICC INTELLIGENCE BOISE, ID. T.RIOS

1990 Fire Activity Summary

The potential for another critical fire season was evident very early in the year. Extreme drought prevailed over much of the West. Southern California recorded the driest winter in 133 years on top of it's fifth year of drought. The mountains of the Southwest were devoid of winter snow pack. The debris on the ground resulting from Hurricane Hugo made a million acres in the Carolina's a matter of real concern. Late rainstorms caused a large amount of fine fuels to flourish in the Great Basin. Alaska had one of the heaviest winters in recent years.

The stage was set for a widespread and severe fire season. All of the western Regions responded accordingly, requested severity funds, and strengthened initial attack forces to deal with a potentially severe season.

Even with the potential, the season was slow to start. An abnormally wet climate developed over the eastern part of the country, and aside for a few fires in Florida, the spring fire season in the eastern and southern Regions was relatively inactive. Wide spread rain in May throughout much of the West delayed the western fire season.

In late June several severe dry lightning storms started wide spread fires in the Southwest and Rocky Mountain areas. Initial attack efforts were aggressive and effective. Thirty one Air Tankers, including three Canadian air tankers and over 100 smokejumpers were used extensively. Even with the aggressive initial attack effort, there were several project fires in Arizona, New Mexico, and Colorado. One hundred and sixty crews were mobilized from other geographic areas to assist Rocky Mountain and Southwest crews. On June 25, record breaking temperatures (120° plus) combined with dry lightning storms created erratic fire behavior resulting in the entrapment of an Arizona Prison System crew on the Dude Fire, Tonto National Forest. There were six fatalities. At the same time the Southwest was experiencing severe fire conditions, Southern California also had problems, the most notable being the Paint Fire near Santa Barbara, California, which burned 280 homes in one 3-hour period. Eight MAFF's C-130 military retardant aircraft were mobilized for this and other fires. They flew 29 sorties, 29.8 hours, and dropped 78,000 gallons of retardant. A burn over occurred on the Simpson Fire, CDF Riverside County California Ranger Unit, on June 27, trapping a California prison hand crew. There were two fatalities.

By early July the Southwest was receiving some rain (the beginning of what was to be a major monsoon season), but still had several large fires and new fires to deal with. Alaska was then hit with several dry lightning storms. This began a long and major campaign for the State of Alaska and the Alaska Fire Service. Following these widespread lightning storms, the Yukon high pressure system became established, and Alaska experienced major fire activity for the next two months, with fires spread from west of Galena into Canada. Two National Incident Management Teams, 36 Type I Fire Crews, 6 air tankers, including one from Canada, 150 smokejumpers, and several hundred overhead were mobilized from the "lower 48." There was also significant fire activity throughout most of the Western United States. National and Area Incident Management Teams were used extensively on project fires. A National Team was also committed to a fire on the Okefenokee Wildlife Refuge in Georgia.

As August approached, the weather in the West was extremely hot. The Aubrey Hill fire located near Bend, Oregon burned 28 homes and threatened 2,000 more plus a large resort complex. A closed high pressure system centered in the Great Basin area became established and produced scattered dry lightning storms for several days. These lightning storms were from high- based cumulus clouds and were accompanied by sustained and strong downbursts of wind. Hardest hit was northern California, Pacific Northwest, Northern Rockies, and the Great Basin. The California Department of Forestry and Yosemite National Park in California and the Malheur and Ochoco National Forests in Oregon had major fires. Initial attack resources were moved from Alaska to assist with the numerous new fires. The National Interagency Coordination Center mobilized 426 crews from other geographic areas to assist with the suppression of these fires. Forty six large helicopters, including two from Canada, were used extensively to support suppression activities. By August 9, all agency resources were committed and three battalions of military troops were trained and mobilized for fires in northern California and eastern Oregon. The eight MAFF's C-130 military retardant aircraft were again mobilized for fires in the Central California area (193 sorties, 168.7 hours, and 555,000 gallons of retardant dropped). By mid- month the weather pattern began to change, bringing much cooler temperatures and showers into the Pacific Northwest and northern California, and demobilization was in full swing. On August 27, rains finally came to Alaska, and the crews began to gain control over the large fires they had been fighting.

By late August the weather over the West again became very hot and dry. A fire in the Wasatch State Park southwest of Salt Lake City killed two firefighters and destroyed 18 homes. The Paint Fire in San Diego County burned 28 homes and threatened 175 more. Record high temperatures in September over much of the country kept initial attack forces busy. In late September another fire in the Okefenokee Wildlife Refuge spread rapidly as a result of severe drought and became a major long term fire.

In mid November a dry cold front with sustained winds in excess of 80 MPH caused the Beartooth Complex Fire near Helena, Montana to spread rapidly and threaten many hunter camps. A National Fire Team was mobilized for this fire, which burned over 32,000 acres of national forest and private lands before being controlled.

During the Thanksgiving weekend another dry cold front with winds in excess of 50 MPH caused fire problems in the Northern and Central Rocky Mountain areas. The Turkey Fire located 60 miles southeast of Great Falls, Montana burned 32,000 acres of private and national forest land and destroyed a few homes and ranch buildings. The Old Stage fire burned 2,200 acres of private land near Boulder, Colorado and destroyed 10 homes.

1990 was another busy year, although not as severe as the 1987 or 1988 season. Initial attack resources were strengthened and then stretched beyond all measure. Preparedness and strong initial attack was instrumental in the early control of many fires that had potential to become large, expensive project fires.

Large Wildfire Occurrence Report

In 1990 there were 55 Class F and G Wildfires (over 1,000 acres) burning a total of 460,339 acres of land. The acres listed in this table represent the total acres burned for each fire, for all ownerships, including National Forest System and other lands under Forest Service protection.

Region	Date	State	National Forest	Name of Wildfire	Acres Burned
			REGION 1		
1	07/07/90	ID	Bitterroot	Sabe Creek	3,000
1	07/14/90	MT	Bitterroot	Gird Point	2,600
1	10/05/90	MT	Gallatin	Iron Mountain	3,400
1	11/13/90	MT	Helena	Beartooth Complex	32,411
1	11/23/90	MT	Lewis And Clark	Turkey	32,000
			REGION 2		
2	06/26/90	CO	Grand Mesa/Unc/Gunns	Horesfly	3,875
2	09/12/90	SD	Black Hills	Swedlund	14,204
			REGION 3		
3	04/01/90	NM	Gila	Lolo	2,315
3	05/13/90	NM	Lincoln	Big	33,135
3	05/17/90	AZ	Coronado	Buster	2,960
3	06/25/90	AZ	Tonto	Dude	27,316
3	06/25/90	AZ	Coconino	Dude	1,164
3	06/26/90	AZ	Coronado	Maverick	2,790
3	06/26/90	AZ	Coronado	Montosa	10,410
			REGION 4		
4	07/28/90	ID	Humboldt	Southfork	300
4	08/08/90	ID	Sawtooth	Indian Springs	14,065
4	08/08/90	ID	Payette	Yellowpine Complex	571
4	08/08/90	ID	Payette	Wilderness Complex	7,486
4	08/08/90	NV	Humboldt	Saval	13,400
4	08/09/90	UT	Wasatch	Big Hollow	3,900
4	08/15/90	ID	Boise	Badger Creek	1,500

Large Wildfire Occurrence Report (Cont'd)

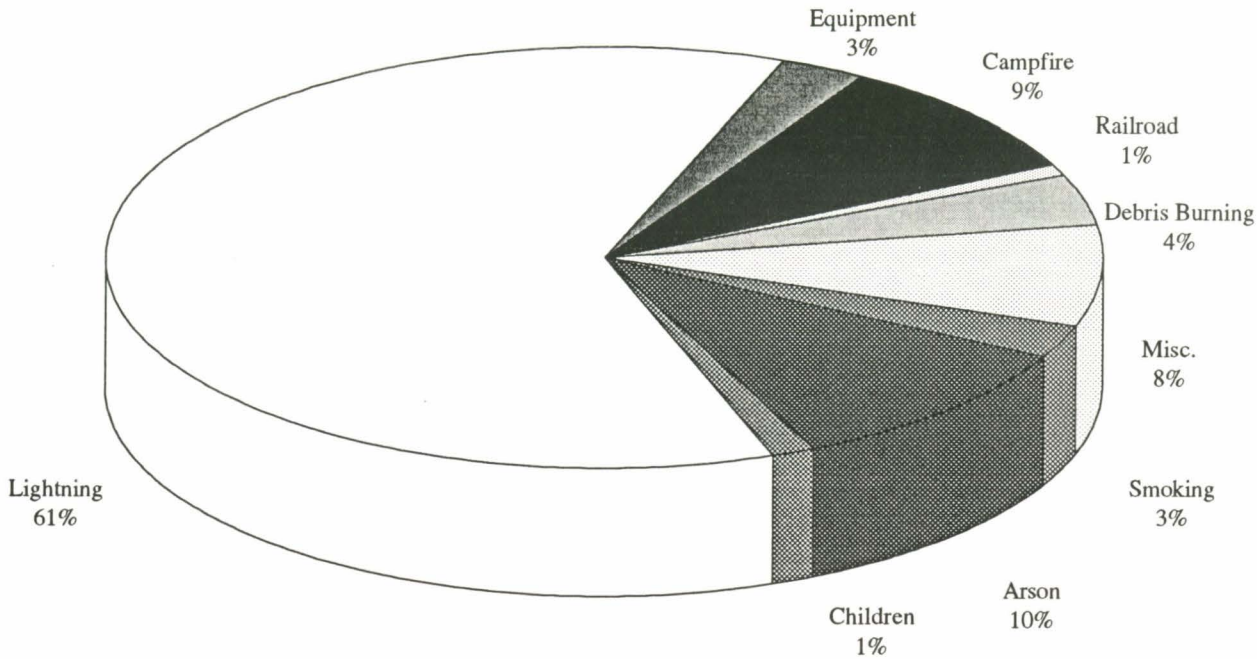
		REGION 5		
5	06/24/90 CA	Cleveland	Bedford	4,500
5	06/27/90 CA	Los Padres	Paint	4,267
5	07/12/90 CA	Modoc	Crowder Mountain	1,925
5	07/20/90 CA	Sierra	Kirch	3,650
5	07/30/90 CA	Los Padres	Ynez	1,060
5	08/05/90 CA	Sequoia	Stormy	16,100
5	08/05/90 CA	Sequoia	Black	8,100
5	08/06/90 CA	Plumas	Walker	1,100
5	08/07/90 CA	Stanislaus	A-Rock	18,100
5	08/07/90 CA	Sierra	A-Rock	**
5	08/07/90 CA	Sierra	Steamboat	5,280
5	08/08/90 CA	Lassen	Finley	22,980
5	08/08/90 CA	Shasta-Trinity	Bow	1,600
5	08/08/90 CA	Mendocino	Linn/Recer/Elkhorn	3,651
5	08/10/90 CA	Lassen	Campbell	4,707
5	08/30/90 CA	Sierra	Savage	1,770
5	09/13/90 CA	Stanislaus	Cottonwood Complex	2,507
5	10/27/90 CA	Cleveland	Case	2,500
		REGION 6		
6	07/01/90 OR	Malheur	Corral Basin	1,100
6	07/11/90 WA	Wenatchee	White River	1,400
6	07/11/90 OR	Deschutes	Delicious	1,075
6	07/24/90 WA	Wenatchee	Disk Mesa	1,151
6	08/04/90 OR	Deschutes	Awbrey Hall	3,353
6	08/05/90 OR	Deschutes	Finley Butte	1,500
6	08/06/90 OR	Malheur	Whiting Springs	5,880
6	08/06/90 OR	Malheur	Sheep Mountain	11,300
6	08/06/90 OR	Ochoco	Pine Springs Basin	73,700
6	08/06/90 OR	Ochoco	604	1,450
6	08/06/90 OR	Malhuer	Snowshoe	12,530
6	08/06/90 OR	Ochoco	Buck Springs	21,300
6	10/02/90 OR	Siskiyou	Chrome	2,201
		REGION 8		
8	02/10/90 MS	Mississippi	Pierces Creek	2,100
8	02/12/90 TX	Texas	Autobon	2,500
8	03/19/90 LA	Kisatchie	Mora School	1,200
Total Acreage				**460,339**

1990 - LAND OWNERSHIP PROTECTION REPORT - NATIONAL FOREST SYSTEM

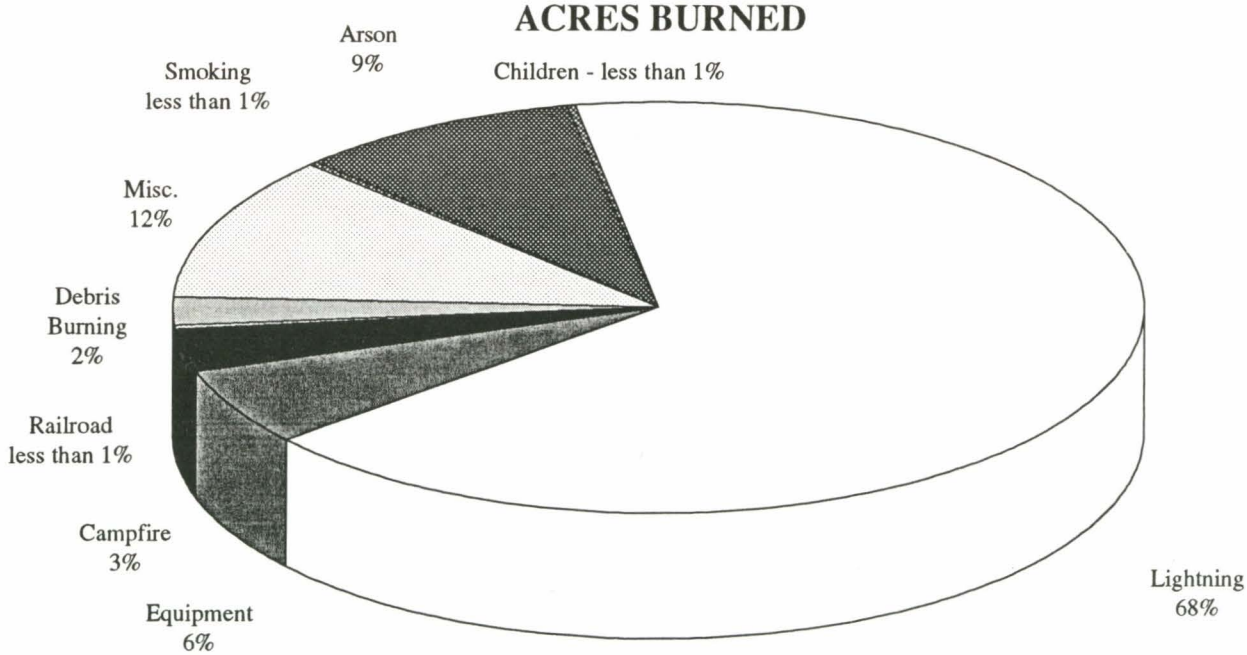
	Inside Forest Protection Boundaries								
	Protected by the Forest Service								
	State and Private Land (includes county and municipal land)								
Region	Fee Basis	Offset Basis	Reimbursement Suppression Costs Only	Without Reimbursement	Other Federal Land	National Forest Land	Total	S&P Land Protected By State & FS *	National Forest Land Protected By Others
1	1,508,174	283,839	10,443		1,300,141	23,302,064	26,404,661		3,359,738
2	23,215	286,128	501,522	105,180	3,399,842	22,241,786	26,557,673	359,104	348,964
3					402,272	20,978,567	21,380,839		
4	442,460	173,098	119,705	241,105	402,895	29,666,404	31,045,667	389,609	1,765,799
5		3,727,224			178,211	19,001,935	22,907,380		823,228
6		90,267		159,263	84,661	24,747,769	25,081,960	434,910	162,504
8		252,647			8,600	12,506,349	12,767,596	2,553,597	371,100
9	73,930	1,092,668		799,419	40,586	10,414,364	12,420,967		1,199,734
10			451,305	942,139	5,139,189	22,231,636	28,764,269		405,760
TOTAL	2,047,779	5,905,871	1,082,975	2,247,106	10,956,397	185,090,874	207,331,012	3,737,220	8,436,827

* under mutual assistance agreements

NUMBER OF WILDFIRES



ACRES BURNED



Number of Wildfires by Size and Cause

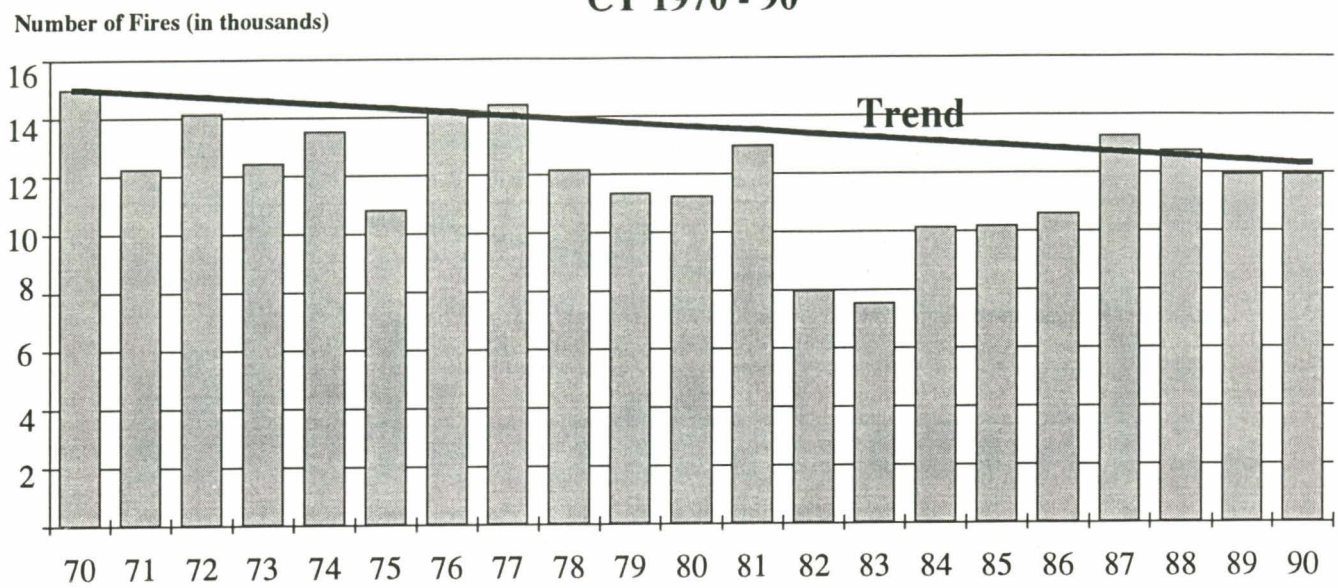
All Regions

CY 1990

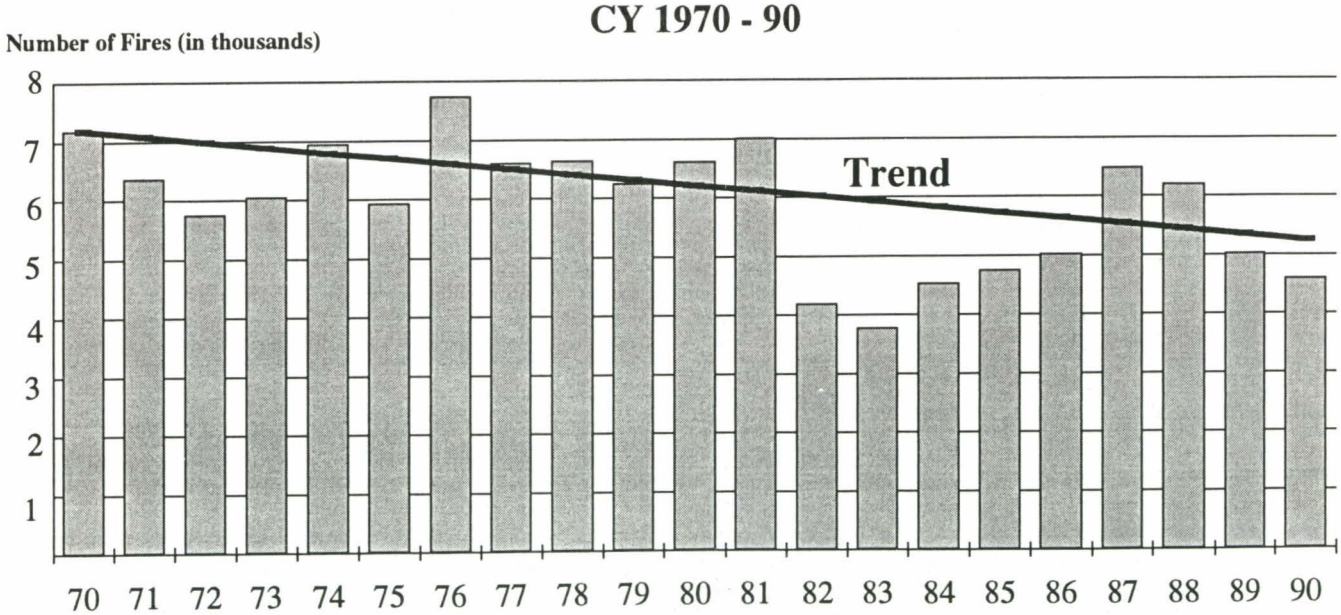
Size Class in Acres	Lightning	Person-Caused	Total
A (.25 or less)	5,070	2,350	7,420
B (.26 - 9)	1,972	1,571	3,543
C (10 - 99)	213	556	769
D (100 - 299)	42	60	102
E (300 - 999)	28	33	61
F (1,000 - 4,999)	18	17	35
G (5,000 +)	15	5	20
TOTAL	**7,358**	**4,592**	**11,950**

Statistical Cause	Number of Wildfires	Acres Burned
Lightning	7,358	231,669
Equipment	313	20,806
Smoking	319	1,606
Campfire	1,124	11,847
Debris Burning	459	8,037
Railroad	80	313
Arson	1,225	32,486
Children	141	541
Miscellaneous	931	39,045
TOTAL	**11,950**	**346,350**

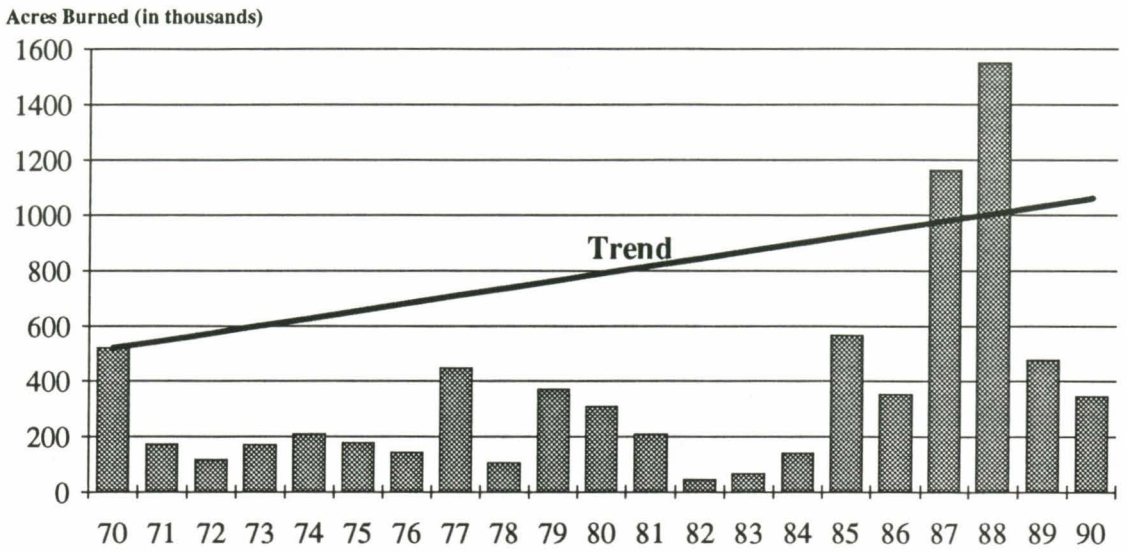
Number of Wildfires (All Causes) Under National Forest Protection
CY 1970 - 90



Number of Person - Caused Fires Under National Forest Protection
CY 1970 - 90



Acres Burned Under National Forest Protection
CY 1970 - 90



Total Wildfires and Acres Burned Under National Forest Protection

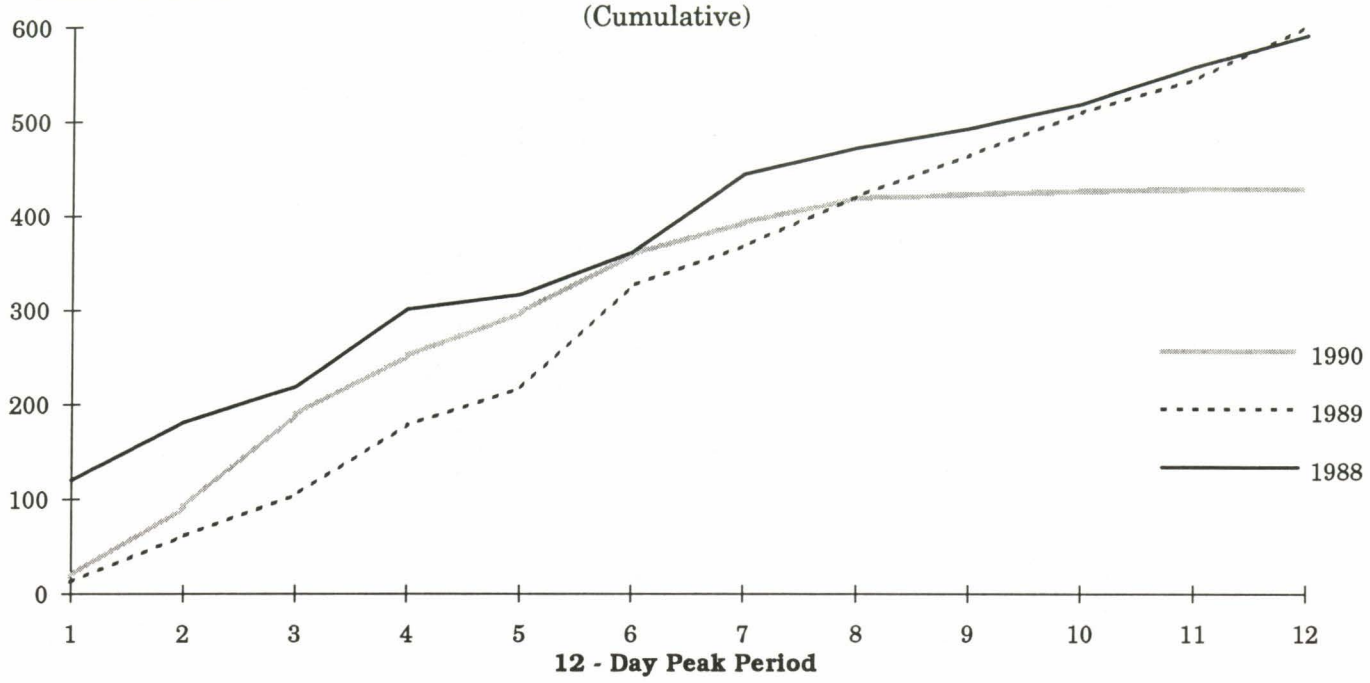
Calendar Year	*Number of Wildfires*			Acres Burned
	Lightning	Person Caused	**Total**	
1981	5,976	7,006	**12,982**	209,631
1982	3,788	4,195	**7,983**	44,622
1983	3,767	3,776	**7,543**	66,498
1984	5,597	4,530	**10,127**	141,139
1985	5,428	4,753	**10,181**	568,297
1986	5,584	5,022	**10,606**	353,128
1987	6,779	6,483	**13,262**	1,162,757
1988	6,550	6,200	**12,750**	1,549,955
1989	6,930	5,023	**11,953**	475,799
1990	7,358	4,592	**11,950**	346,350
10 Year Average				
1981-90	5,776	5,158	**10,934**	541,817

Personnel Employed on Wildfire Presuppression and Suppression Activities

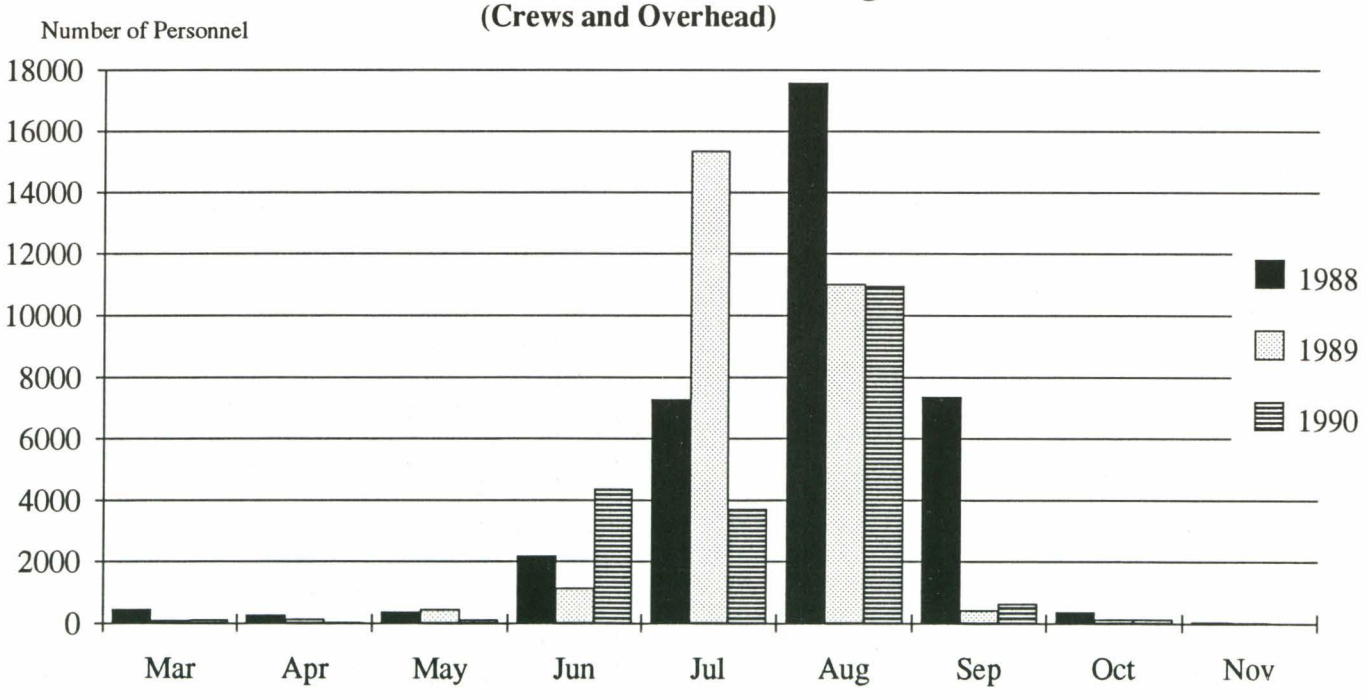
National Summary CY 1990

Item No.	Item	Number Subtotal	Number Total
1	**Regular appointed personnel**		
	a. Full-time fire management (20 pay periods or more)	1,685	
	b. Part-time fire management	2,185	
	c. Others used on presuppression sometime during the year	2,526	
	d. Others used on suppression (exclude those under a, b, or c)	7,471	
	e. Total (a+b+c+d)		**13,867**
2	**Seasonal or short-term personnel**		
	a. Regular fire control (crews, firefighter, patrols, lookout, etc.)	5,027	
	b. Others (BD, KV, BR, R&T, etc.) who spent time on fire control work	4,803	
	c. Emergency firefighters (exclude those reported under a or b)	5,400	
	d. Total (a+b+c)		**15,230**
3	**Total number of casuals employed on fire suppression** (Each reemployment counts as an employment)		**24,466**
4	**Number of casuals (included in Item 3) employed for first time** (Ranger's estimate is adequate)		**5,150**
5	**GRAND TOTAL (1e+2d+3)**		**53,563**

Resources Mobilized Through NICC
(Crews and Overhead)
(Cumulative)



Resources Mobilized Through NICC
(Crews and Overhead)



REGION 1

Number of Wildfires by Statistical Cause

Table 1 1990

National Forest	State		Lightning	Person - Caused								Total Person-Caused	Total All Causes	Non-NFS Land Under FS Protection	
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
BEAVERHEAD	MT	National Forest	20	1	1	21	1	0	2	0	3	**29**	**49**		
		Total All Land	27	2	3	27	2	0	2	0	6	**42**	**69**	13	7
BITTERROOT	ID	National Forest	12	0	0	1	0	0	0	0	0	**1**	**13**		
		Total All Land	12	0	0	1	0	0	0	0	0	**1**	**13**	0	0
	MT	National Forest	94	1	2	7	0	0	0	0	2	**12**	**106**		
		Total All Land	106	1	2	8	3	0	0	1	2	**17**	**123**	16	1
IDAHO PANHANDLE	ID	National Forest	36	4	4	4	7	1	9	0	7	**36**	**72**		
		Total All Land	47	4	6	5	11	4	9	0	9	**48**	**95**	23	0
	WA	National Forest	1	0	0	1	0	0	0	0	0	**1**	**2**		
		Total All Land	1	0	0	1	0	0	0	0	0	**1**	**2**	0	0
CLEARWATER	WD	National Forest	106	1	0	6	0	0	1	0	0	**8**	**114**		
		Total All Land	112	1	0	6	0	0	1	0	0	**8**	**120**	6	0
CUSTER	MT	National Forest	63	0	2	0	1	0	0	0	1	**4**	**67**		
		Total All Land	63	0	2	0	1	0	0	0	2	**5**	**68**	1	0
	ND	National Forest	0	6	0	0	0	1	0	0	0	**7**	**7**		
		Total All Land	0	7	0	1	0	1	0	0	0	**9**	**9**	2	0
	SD	National Forest	6	0	0	0	0	0	0	0	1	**1**	**7**		
		Total All Land	6	0	0	0	0	0	0	0	1	**1**	**7**	0	0
DEERLODGE	MT	National Forest	22	0	2	14	0	0	0	0	1	**17**	**39**		
		Total All Land	25	0	3	19	0	0	0	0	2	**24**	**49**	9	1
FLATHEAD	MT	National Forest	32	1	4	5	4	0	0	0	2	**16**	**48**		
		Total All Land	32	1	4	5	5	0	0	0	3	**18**	**50**	2	0
GALLATIN	MT	National Forest	24	0	3	4	1	0	0	1	4	**13**	**37**		
		Total All Land	26	0	3	7	2	0	0	1	4	**17**	**43**	6	0
HELENA	MT	National Forest	35	1	2	5	1	1	0	0	0	**10**	**45**		
		Total All Land	39	1	3	6	3	1	0	0	0	**14**	**53**	6	2
KOOTENAI	MT	National Forest	49	5	0	11	2	0	2	1	10	**31**	**80**		
		Total All Land	55	7	1	12	14	1	3	2	19	**59**	**114**	34	0
LEWIS AND CLARK	MT	National Forest	10	1	3	10	0	0	3	0	3	**20**	**30**		
		Total All Land	12	1	3	10	0	0	3	0	3	**20**	**32**	2	0
LOLO	MT	National Forest	85	1	1	12	2	0	1	0	3	**20**	**105**		
		Total All Land	109	4	3	13	9	6	1	0	12	**48**	**157**	52	0
NEZPERCE	ID	National Forest	173	0	1	15	0	0	0	0	1	**17**	**190**		
		Total All Land	178	1	2	17	0	0	0	0	5	**25**	**203**	12	1
REGION 1 TOTAL		**National Forest**	**768**	**22**	**25**	**116**	**19**	**3**	**18**	**2**	**38**	**243**	**1011**		
		Total All Land	**850**	**30**	**35**	**138**	**50**	**13**	**19**	**4**	**68**	**357**	**1207**	**184**	**12**

REGION 2

Number of Wildfires by Statistical Cause

Table 1 1990

National Forest	State		Lightning	*Person - Caused*								Total Person-Caused	Total All Causes	Non-NFS Land Under FS Protection	
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
BIGHORN	WY	National Forest	9	0	0	15	0	0	0	0	0	**15**	**24**		
		Total All Land	12	0	0	15	0	0	0	0	0	**15**	**27**	3	0
BLACK HILLS	SD	National Forest	68	3	1	3	2	0	1	1	12	**23**	**91**		
		Total All Land	72	5	1	4	6	0	1	1	15	**33**	**105**	13	1
	WY	National Forest	27	0	0	1	0	0	0	0	1	**2**	**29**		
		Total All Land	30	0	0	1	0	0	0	0	1	**2**	**32**	3	0
0GRAND MESA-UNC-GUNNS	CO	National Forest	43	1	2	7	1	0	0	0	3	**14**	**57**		
		Total All Land	48	1	3	7	1	0	1	0	4	**17**	**65**	3	5
MEDICINE BOW	WY	National Forest	27	0	2	3	0	0	0	0	0	**5**	**32**		
		Total All Land	28	0	2	3	0	0	0	0	0	**5**	**33**	1	0
NEBRASKA	NE	National Forest	6	1	0	0	0	0	0	0	0	**1**	**7**		
		Total All Land	6	2	0	0	0	0	0	0	0	**2**	**8**	0	1
	SD	National Forest	1	0	0	0	0	0	0	0	0	**0**	**1**		
		Total All Land	1	1	0	0	0	0	0	0	0	**1**	**2**	1	0
RI0 GRANDE	CO	National Forest	11	1	0	2	1	0	0	0	1	**5**	**16**		
		Total All Land	13	1	0	2	1	0	0	0	1	**5**	**18**	2	0
ARAPAHO-ROOSEVELT	CO	National Forest	36	0	4	2	0	0	0	0	1	**7**	**43**		
		Total All Land	37	0	4	3	0	0	0	0	6	**13**	**50**	5	2
ROUTT	CO	National Forest	5	0	2	0	0	0	0	0	1	**3**	**8**		
		Total All Land	6	0	2	0	0	0	0	0	1	**3**	**9**	1	0
PIKE-SAN ISABEL	CO	National Forest	72	2	3	11	0	0	0	0	5	**21**	**93**		
		Total All Land	79	2	3	13	0	1	0	0	6	**25**	**104**	7	4
	KS	National Forest	8	0	0	1	0	0	0	0	0	**1**	**9**		
		Total All Land	9	1	0	1	0	0	0	0	0	**2**	**11**	2	0
SAN JUAN	CO	National Forest	46	1	0	4	0	0	0	1	0	**6**	**52**		
		Total All Land	52	1	0	4	0	0	0	1	1	**7**	**59**	7	0
SHOSHONE	WY	National Forest	12	1	1	6	0	0	0	0	1	**9**	**21**		
		Total All Land	13	1	1	6	0	0	0	0	1	**9**	**22**	1	0
WHITE RIVER	CO	National Forest	13	0	2	7	1	0	0	0	0	**10**	**23**		
		Total All Land	14	0	2	7	2	0	0	2	1	**14**	**28**	3	2
REGION 2 TOTAL		**National Forest**	**384**	**10**	**17**	**62**	**5**	**0**	**1**	**2**	**25**	**122**	**506**		
		Total All Land	**420**	**15**	**18**	**66**	**10**	**1**	**2**	**4**	**37**	**153**	**573**	**52**	**15**

REGION 3

Number of Wildfires by Statistical Cause

Table 1 1990

National Forest	State			*Person - Caused*								Total Person-Caused	Total All Causes	Non-NFS Land Under FS Protection	
			Lightning	Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
APACHE-SITGREAVES	AZ	National Forest	138	1	8	44	3	0	4	2	7	**69**	**207**		
		Total All Land	184	1	10	49	4	0	4	3	9	**80**	**264**	57	0
CARSON	NM	National Forest	43	0	4	1	0	0	2	0	3	**10**	**53**		
		Total All Land	43	0	5	1	0	0	2	0	3	**11**	**54**	1	0
CIBOLA	NM	National Forest	48	0	1	5	0	0	3	1	10	**20**	**68**		
		Total All Land	56	0	1	6	0	0	3	2	11	**23**	**79**	9	2
	OK	National Forest	0	1	0	0	0	0	0	0	1	**2**	**2**		
		Total All Land	0	1	0	0	0	0	0	0	1	**2**	**2**	0	0
COCONINO	AZ	National Forest	310	11	14	71	2	2	5	5	21	**131**	**441**		
		Total All Land	324	11	16	78	2	2	5	9	23	**146**	**470**	29	0
CORONADO	AZ	National Forest	85	0	3	33	1	0	3	0	10	**50**	**135**		
		Total All Land	87	0	3	33	1	0	3	0	10	**50**	**137**	0	2
	NM	National Forest	2	0	0	0	0	0	0	0	0	**0**	**2**		
		Total All Land	2	0	0	0	0	0	0	0	0	**0**	**2**	0	0
GILA	NM	National Forest	210	6	5	13	1	0	2	0	4	**31**	**241**		
		Total All Land	211	6	5	13	1	0	2	0	4	**31**	**242**	1	0
KAIBAB	AZ	National Forest	126	0	5	18	1	12	3	0	9	**48**	**174**		
		Total All Land	126	0	5	18	2	12	3	0	10	**50**	**176**	2	0
LINCOLN	NM	National Forest	33	0	6	4	0	0	0	1	1	**12**	**45**		
		Total All Land	38	1	9	6	4	0	3	6	7	**36**	**74**	23	6
PRESCOTT	AZ	National Forest	49	4	0	12	0	0	1	1	8	**26**	**75**		
		Total All Land	49	4	0	12	0	0	2	1	8	**27**	**76**	1	0
SANTA FE	NM	National Forest	73	1	5	14	1	0	3	0	3	**27**	**100**		
		Total All Land	73	1	5	14	1	0	3	0	3	**27**	**100**	0	0
TONTO	AZ	National Forest	116	24	2	15	3	0	10	2	16	**72**	**188**		
		Total All Land	116	26	2	15	3	0	10	2	16	**74**	**190**	2	0
REGION 3 TOTAL		**National Forest**	**1233**	**48**	**53**	**230**	**12**	**14**	**36**	**12**	**93**	**498**	**1731**		
		Total All Land	**1309**	**51**	**61**	**245**	**18**	**14**	**40**	**23**	**105**	**557**	**1866**	**125**	**10**

REGION 4

Number of Wildfires by Statistical Cause

Table 1 1990

National Forest	State		Lightning	Person - Caused								Total Person-Caused	Total All Causes	Non-NFS Land Under FS Protection	
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
ASHLEY	UT	National Forest	17	0	0	3	3	0	0	0	0	**6**	**23**		
		Total All Land	17	0	0	3	3	0	0	0	0	**6**	**23**	0	0
	WY	National Forest	1	0	0	0	0	0	0	0	0	**0**	**1**		
		Total All Land	1	0	0	0	0	0	0	0	0	**0**	**1**	0	0
BOISE	ID	National Forest	180	2	2	8	1	0	1	1	6	**21**	**201**		
		Total All Land	186	3	2	10	2	0	1	1	7	**26**	**212**	11	0
BRIDGER-TETON	WY	National Forest	59	1	5	18	2	0	0	0	5	**31**	**90**		
		Total All Land	60	1	5	18	2	0	0	0	5	**31**	**91**	1	0
CARIBOU	ID	National Forest	12	1	0	1	0	0	0	2	2	**6**	**18**		
		Total All Land	13	1	0	1	1	0	0	3	2	**8**	**21**	0	3
CHALLIS	ID	National Forest	53	0	1	5	0	0	0	0	1	**7**	**60**		
		Total All Land	56	0	2	5	3	0	0	0	1	**11**	**67**	7	0
DIXIE	UT	National Forest	57	1	3	6	1	0	0	1	0	**12**	**69**		
		Total All Land	61	1	3	6	3	0	2	1	0	**16**	**77**	7	1
FISHLAKE	UT	National Forest	63	0	0	0	0	0	0	0	0	**0**	**63**		
		Total All Land	63	0	0	0	0	0	0	0	0	**0**	**63**	0	0
HUMBOLDT	ID	National Forest	0	0	0	0	0	0	0	0	0	**0**	**0**		
		Total All Land	1	0	0	0	0	0	0	0	0	**0**	**1**	0	1
	NV	National Forest	16	0	0	1	0	0	2	0	0	**3**	**19**		
		Total All Land	18	1	0	1	0	0	2	0	1	**5**	**23**	2	2
MANTI-LASAL	CO	National Forest	1	0	0	0	0	0	0	0	1	**1**	**2**		
		Total All Land	1	0	0	0	0	0	0	0	1	**1**	**2**	0	0
	UT	National Forest	26	0	0	0	0	0	0	0	0	**0**	**26**		
		Total All Land	28	0	0	0	0	0	0	0	0	**0**	**28**	1	1
PAYETTE	ID	National Forest	165	0	0	16	2	0	0	0	2	**20**	**185**		
		Total All Land	173	0	0	16	2	0	0	0	2	**20**	**193**	8	0
SALMON	ID	National Forest	53	1	0	1	0	0	0	0	0	**2**	**55**		
		Total All Land	53	1	0	1	0	0	0	0	0	**2**	**55**	0	0
SAWTOOTH	ID	National Forest	31	0	5	6	0	0	4	0	2	**17**	**48**		
		Total All Land	31	1	5	6	0	0	4	0	2	**18**	**49**	0	1
TARGHEE	ID	National Forest	21	2	1	5	2	0	0	0	1	**11**	**32**		
		Total All Land	23	2	1	5	3	1	0	0	2	**14**	**37**	5	0
	WY	National Forest	6	1	1	2	0	0	0	0	1	**5**	**11**		
		Total All Land	6	1	1	2	0	0	0	0	1	**5**	**11**	0	0
TOIYABE	CA	National Forest	112	0	3	5	0	0	0	0	0	**8**	**120**		
		Total All Land	129	0	4	5	0	1	0	0	0	**10**	**139**	19	0
	NV	National Forest	59	1	3	18	2	0	0	2	5	**31**	**90**		
		Total All Land	60	1	3	18	2	0	0	2	5	**31**	**91**	1	0

REGION 4 Cont'd.

Number of Wildfires by Statistical Cause

Table 1 1990

National Forest	State		Lightning	Person - Caused								Total Person-Caused	Total All Causes	Non-NFS Land Under FS Protection	
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
UINTA	UT	National Forest	24	0	0	9	0	0	5	1	3	**18**	**42**		
		Total All Land	27	0	0	9	0	0	14	3	5	**31**	**58**	16	0
WASATCH	UT	National Forest	12	0	2	9	0	0	2	0	0	**13**	**25**		
		Total All Land	16	1	3	12	0	0	2	0	5	**23**	**39**	9	5
REGION 4 TOTAL		**National Forest**	**968**	**10**	**26**	**113**	**13**	**0**	**14**	**7**	**29**	**212**	**1180**		
		Total All Land	**1023**	**14**	**29**	**118**	**21**	**2**	**25**	**10**	**39**	**258**	**1281**	**87**	**14**

REGION 5

Number of Wildfires by Statistical Cause

Table 1 1990

National Forest	State		Lightning	Person - Caused								Total Person-Caused	Total All Causes	Non-NFS Land Under FS Protection	
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
ANGELES	CA	National Forest	35	4	3	14	0	0	15	2	24	**62**	**97**		
		Total All Land	38	7	6	21	1	0	33	3	40	**111**	**149**	23	29
CLEVELAND	CA	National Forest	6	1	1	9	0	0	6	0	12	**29**	**35**		
		Total All Land	14	3	2	9	1	0	11	8	21	**55**	**69**	17	17
ELDORADO	CA	National Forest	68	0	3	8	2	0	3	2	6	**24**	**92**		
		Total All Land	82	2	7	8	8	0	4	2	15	**46**	**128**	33	3
INYO	CA	National Forest	74	2	1	20	1	0	3	1	9	**37**	**111**		
		Total All Land	74	3	1	21	1	0	3	1	10	**40**	**114**	3	0
	CD	National Forest	1	0	0	0	0	0	0	0	0	**0**	**1**		
		Total All Land	1	0	0	0	0	0	0	0	0	**0**	**1**	0	0
KLAMATH	CA	National Forest	146	0	1	0	5	0	1	0	3	**10**	**156**		
		Total All Land	170	3	2	3	13	2	1	0	5	**29**	**199**	42	1
	OR	National Forest	2	0	0	0	0	0	0	0	0	**0**	**2**		
		Total All Land	2	0	0	0	0	0	0	0	0	**0**	**2**	0	0
LASSEN	CA	National Forest	83	1	1	7	3	1	1	0	6	**20**	**103**		
		Total All Land	99	1	1	10	4	1	3	0	10	**30**	**129**	26	0
LOS PADRES	CA	National Forest	35	4	0	12	2	0	3	0	5	**26**	**61**		
		Total All Land	38	13	0	12	4	0	4	0	18	**51**	**89**	22	6
MENDOCINO	CA	National Forest	73	1	1	8	3	0	3	1	4	**21**	**94**		
		Total All Land	78	1	1	8	5	0	5	1	4	**25**	**103**	6	3
MODOC	CA	National Forest	177	0	0	4	0	1	0	0	5	**10**	**187**		
		Total All Land	184	0	2	5	1	3	0	0	10	**21**	**205**	18	0

REGION 5, Cont'd.

Number of Wildfires by Statistical Cause

Table 1 1990

National Forest	State		Lightning	*Person - Caused*								Total Person-Caused	Total All Causes	Non-NFS Land Under FS Protection	
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
SIX RIVERS	CA	National Forest	38	0	2	6	1	0	1	0	4	**14**	**52**		
		Total All Land	43	0	4	7	4	0	3	3	10	**31**	**74**	21	1
PLUMAS	CA	National Forest	141	4	5	5	2	0	0	1	13	**30**	**171**		
		Total All Land	153	6	6	8	7	0	0	6	22	**55**	**208**	35	2
SAN BERNARDINO	CA	National Forest	35	15	8	22	2	10	17	4	28	**106**	**141**		
		Total All Land	39	32	13	23	3	13	24	18	69	**195**	**234**	89	4
SEQUOIA	CA	National Forest	109	13	5	15	1	0	3	1	17	**55**	**164**		
		Total All Land	113	17	6	16	1	0	16	6	27	**89**	**202**	6	32
SHASTA-TRINITY	CA	National Forest	180	6	2	11	4	1	5	1	11	**41**	**221**		
		Total All Land	233	18	5	16	18	3	17	7	27	**111**	**344**	117	6
SIERRA	CA	National Forest	186	7	5	17	6	0	9	1	21	**66**	**252**		
		Total All Land	191	11	6	19	22	0	17	4	38	**117**	**308**	29	27
	VA	National Forest	1	0	0	0	0	0	0	0	0	**0**	**1**		
		Total All Land	1	0	0	0	0	0	0	0	0	**0**	**1**	0	0
STANISLAUS	CA	National Forest	123	4	4	12	1	0	2	0	10	**33**	**156**		
		Total All Land	125	7	6	14	6	0	2	2	11	**48**	**173**	16	1
TAHOE	CA	National Forest	88	3	5	7	3	0	8	0	7	**33**	**121**		
		Total All Land	123	6	7	17	5	1	11	2	14	**63**	**186**	65	0
LAKE TAHOE BASIN	CA	National Forest	36	2	4	12	5	0	3	6	4	**36**	**72**		
		Total All Land	36	2	9	13	8	0	6	10	5	**53**	**89**	17	0
	NV	National Forest	4	0	0	3	0	0	0	1	2	**6**	**10**		
		Total All Land	5	1	0	4	0	0	0	1	2	**8**	**13**	3	0
REGION 5 TOTAL		**National Forest**	**1641**	**67**	**51**	**192**	**41**	**13**	**83**	**21**	**191**	**659**	**2300**		
		Total All Land	**1842**	**133**	**84**	**234**	**112**	**23**	**160**	**74**	**358**	**1178**	**3020**	**588**	**132**

REGION 6

Number of Wildfires by Statistical Cause

Table 1 1990

National Forest	State			*Person - Caused*								Total Person-Caused	Total All Causes	Non-NFS Land Under FS Protection	
			Lightning	Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
DESCHUTES	OR	National Forest	190	4	6	21	4	1	12	2	21	**71**	**261**		
		Total All Land	191	4	6	22	4	1	12	2	21	**72**	**263**	1	1
FREMONT	OR	National Forest	104	3	2	4	0	0	0	0	1	**10**	**114**		
		Total All Land	104	3	2	4	0	0	0	0	1	**10**	**114**	0	0
GIFFORD PINCHOT	WA	National Forest	142	0	5	8	2	0	2	2	3	**22**	**164**		
		Total All Land	142	0	5	8	4	0	2	2	3	**24**	**166**	2	0
MALHEUR	OR	National Forest	141	0	2	10	6	0	0	0	3	**21**	**162**		
		Total All Land	141	0	2	10	6	0	0	0	3	**21**	**162**	0	0
MT. BAKER-SNOQUALMIE	WA	National Forest	92	0	1	14	2	0	0	0	3	**20**	**112**		
		Total All Land	92	0	1	14	2	0	0	0	3	**20**	**112**	0	0
MT. HOOD	OR	National Forest	74	0	8	14	1	0	5	0	4	**32**	**106**		
		Total All Land	75	0	8	14	1	0	5	0	4	**32**	**107**	1	0
OCHOCO	OR	National Forest	113	0	1	17	0	0	0	0	4	**22**	**135**		
		Total All Land	119	0	1	17	0	0	0	0	4	**22**	**141**	6	0
OKANOGAN	WA	National Forest	87	0	0	7	4	0	0	0	1	**12**	**99**		
		Total All Land	98	1	0	7	9	0	0	1	5	**23**	**121**	22	0
OLYMPIC	WA	National Forest	0	0	1	8	1	0	0	0	1	**11**	**11**		
		Total All Land	0	0	1	8	1	0	0	0	1	**11**	**11**	0	0
ROGUE RIVER	CA	National Forest	5	0	0	1	0	0	0	0	1	**2**	**7**		
		Total All Land	5	0	0	1	0	0	0	0	1	**2**	**7**	0	0
	OR	National Forest	43	0	1	1	0	0	1	0	0	**3**	**46**		
		Total All Land	43	0	1	1	0	0	1	0	0	**3**	**46**	0	0
SISKIYOU	OR	National Forest	3	0	2	6	0	0	1	0	4	**13**	**16**		
		Total All Land	3	0	2	6	1	0	1	0	4	**14**	**17**	0	1
SIUSLAW	OR	National Forest	0	0	0	4	1	0	0	0	0	**5**	**5**		
		Total All Land	0	0	0	4	1	0	0	0	0	**5**	**5**	0	0
UMATILLA	OR	National Forest	103	3	1	11	0	0	0	0	5	**20**	**123**		
		Total All Land	105	3	1	11	0	0	0	0	5	**20**	**125**	1	1
	WA	National Forest	28	0	0	16	1	0	0	0	0	**17**	**45**		
		Total All Land	33	1	0	18	3	0	0	0	0	**22**	**55**	10	0
UMPQUA	OR	National Forest	81	1	4	7	0	0	1	0	4	**17**	**98**		
		Total All Land	81	1	4	7	0	0	1	0	4	**17**	**98**	0	0
WALLOWA-WHITMAN	ID	National Forest	13	0	0	2	0	0	0	0	0	**2**	**15**		
		Total All Land	13	0	0	2	0	0	0	0	0	**2**	**15**	0	0
	OR	National Forest	142	1	11	9	5	1	0	0	2	**29**	**171**		
		Total All Land	142	1	11	9	6	1	0	0	2	**30**	**172**	1	0

REGION 6, Cont'd.

Number of Wildfires by Statistical Cause

Table 1 1990

National Forest	State		Lightning	Person - Caused								Total Person-Caused	Total All Causes	Non-NFS Land Under FS Protection	
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
WENATCHEE	WA	National Forest	185	0	4	23	4	0	0	0	15	**46**	**231**		
		Total All Land	191	0	4	24	5	0	0	0	15	**48**	**239**	2	6
WILLAMETTE	OR	National Forest	88	1	3	14	8	2	1	0	0	**29**	**117**		
		Total All Land	88	1	3	14	8	2	1	0	0	**29**	**117**	0	0
WINEMA	OR	National Forest	68	2	0	8	4	0	8	1	4	**27**	**95**		
		Total All Land	68	3	0	8	4	0	8	1	4	**28**	**96**	0	1
COLVILLE	WA	National Forest	17	0	0	8	2	0	2	0	0	**12**	**29**		
		Total All Land	17	0	0	8	2	0	2	0	0	**12**	**29**	0	0
REGION 6 TOTAL		**National Forest**	**1719**	**15**	**52**	**213**	**45**	**4**	**33**	**5**	**76**	**443**	**2162**		
		Total All Land	**1751**	**18**	**52**	**217**	**57**	**4**	**33**	**6**	**80**	**467**	**2218**	**46**	**10**

REGION 8

Number of Wildfires by Statistical Cause

Table 1 1990

National Forest	State		Lightning	Person - Caused								Total Person-Caused	Total All Causes	Non-NFS Land Under FS Protection	
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
ALABAMA	AL	National Forest	17	1	0	3	4	1	70	0	4	**83**	**100**		
		Total All Land	17	2	1	4	11	1	76	1	6	**102**	**119**	19	0
DANIEL BOONE	KY	National Forest	0	1	1	6	1	0	86	0	7	**102**	**102**		
		Total All Land	0	1	1	6	2	0	103	0	8	**121**	**121**	19	0
CHATTAHOOCHEE-OCONEE	GA	National Forest	6	0	0	3	2	0	43	0	14	**62**	**68**		
		Total All Land	8	0	0	3	10	0	47	0	20	**80**	**88**	14	6
	SC	National Forest	0	0	0	0	0	0	1	0	0	**1**	**1**		
		Total All Land	0	0	0	0	0	0	1	0	0	**1**	**1**	0	0
CHEROKEE	TN	National Forest	3	0	1	3	1	0	24	0	6	**35**	**38**		
		Total All Land	3	0	1	3	3	0	30	0	6	**43**	**46**	8	0
FLORIDA	FL	National Forest	67	8	8	5	5	0	41	0	16	**83**	**150**		
		Total All Land	70	11	8	7	7	0	46	1	26	**106**	**176**	24	2
KISATCHIE	LA	National Forest	11	1	1	4	4	0	59	1	5	**75**	**86**		
		Total All Land	11	1	1	4	6	0	64	1	7	**84**	**95**	7	2
MISSISSIPPI	MS	National Forest	8	4	1	5	6	1	165	0	57	**239**	**247**		
		Total All Land	10	4	3	5	12	2	201	0	64	**291**	**301**	47	7
GEORGE WASHINGTON	VA	National Forest	2	1	5	4	0	0	4	1	3	**18**	**20**		
		Total All Land	2	1	5	4	1	1	5	1	4	**22**	**24**	4	0
	WV	National Forest	0	0	0	0	0	0	0	0	1	**1**	**1**		

REGION 8, Cont'd.

Number of Wildfires by Statistical Cause

Table 1 1990

National Forest	State		Lightning	Person - Caused								Total Person-Caused	Total All Causes	Non-NFS Land Under FS Protection	
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
QUACHITA	AR	National Forest	12	0	1	2	5	0	15	1	5	**29**	**41**		
		Total All Land	13	0	1	2	7	0	18	1	5	**34**	**47**	4	2
	OK	National Forest	2	0	0	0	1	1	5	0	6	**13**	**15**		
		Total All Land	2	1	0	0	5	1	6	0	6	**19**	**21**	6	0
OZARK-ST FRANCIS	AR	National Forest	3	1	2	3	0	0	28	0	10	**44**	**47**		
		Total All Land	3	1	2	5	11	0	35	0	11	**65**	**68**	16	5
NORTH CAROLINA	NC	National Forest	7	3	1	2	3	0	19	1	6	**35**	**42**		
		Total All Land	8	4	2	2	9	1	30	1	11	**60**	**68**	23	3
FRANCIS MARION-SUMTR	SC	National Forest	2	11	0	2	6	0	11	0	3	**33**	**35**		
		Total All Land	4	11	1	2	22	0	19	0	10	**65**	**69**	32	2
TEXAS	TX	National Forest	0	4	2	5	3	2	56	1	5	**78**	**78**		
		Total All Land	0	4	2	5	11	2	59	1	6	**90**	**90**	12	0
JEFFERSON	VA	National Forest	1	1	0	2	0	0	6	0	7	**16**	**17**		
		Total All Land	1	1	0	2	0	0	9	0	9	**21**	**22**	4	1
CARIBBEAN	KY	National Forest	0	0	0	0	0	0	1	0	0	**1**	**1**		
		Total All Land	0	0	0	0	0	0	2	0	0	**2**	**2**	1	0
REGION 8 TOTAL		**National Forest**	**141**	**36**	**23**	**49**	**41**	**5**	**634**	**5**	**155**	**948**	**1089**		
		Total All Land	**152**	**42**	**28**	**54**	**117**	**8**	**751**	**7**	**200**	**1207**	**1359**	**240**	**30**

REGION 9

Number of Wildfires by Statistical Cause

Table 1 1990

National Forest	State		Lightning	Person - Caused								Total Person-Caused	Total All Causes	Non-NFS Land Under FS Protection	
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
CHEQUAMEGON	WI	National Forest	1	0	1	1	1	0	0	0	0	**3**	**4**		
		Total All Land	1	0	2	2	6	0	0	0	0	**10**	**11**	7	0
CHIPPEWA	MN	National Forest	1	1	2	2	0	6	6	1	3	**21**	**22**		
		Total All Land	2	2	3	2	12	12	22	8	6	**67**	**69**	46	1
HURON-MANISTEE	MI	National Forest	0	0	2	2	2	0	0	0	1	**7**	**7**		
		Total All Land	0	0	2	2	3	0	0	0	2	**9**	**9**	2	0
MARK TWAIN	MO	National Forest	1	1	0	1	6	0	123	1	14	**146**	**147**		
		Total All Land	1	1	0	1	12	0	132	1	24	**171**	**172**	24	1
NICOLET	WI	National Forest	0	0	0	0	1	1	2	0	0	**4**	**4**		
		Total All Land	0	0	1	1	6	2	4	1	2	**17**	**17**	13	0

REGION 9, Cont'd.

Number of Wildfires by Statistical Cause

Table 1 1990

National Forest	State		Lightning	Person - Caused								Total Person-Caused	Total All Causes	Non-NFS Land Under FS Protection	
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
OTTAWA	MI	National Forest	0	0	0	0	0	0	0	0	0	**0**	**0**		
		Total All Land	0	0	0	0	5	0	0	1	1	7	7	7	0
SHAWNEE	IL	National Forest	0	0	0	0	1	0	3	0	0	**4**	**4**		
		Total All Land	0	0	0	0	11	0	3	1	0	**15**	**15**	8	3
SUPERIOR	MN	National Forest	6	2	0	21	1	0	7	0	1	**32**	**38**		
		Total All Land	6	4	1	25	4	1	10	0	3	**48**	**54**	16	0
HIAWATHA	MI	National Forest	0	0	0	1	2	0	0	0	0	**3**	**3**		
		Total All Land	0	0	1	1	3	0	0	0	0	**5**	**5**	2	0
WAYNE-HOOSIER	IN	National Forest	0	0	0	3	0	0	4	0	0	7	7		
		Total All Land	0	0	0	3	1	0	4	0	0	**8**	**8**	1	0
	OH	National Forest	0	0	0	0	0	0	4	0	0	**4**	**4**		
		Total All Land	0	0	0	0	9	0	16	0	3	**28**	**28**	22	2
ALLEGHENY	PA	National Forest	0	1	1	1	0	0	3	1	1	**8**	**8**		
		Total All Land	0	1	1	1	1	0	3	1	1	**9**	**9**	1	0
MONONGAHELA	WV	National Forest	0	0	0	0	0	0	1	0	1	**2**	**2**		
		Total All Land	0	1	1	0	0	0	1	0	1	**4**	**4**	2	0
REGION 9 TOTAL		**National Forest**	**9**	**5**	**6**	**32**	**14**	**7**	**153**	**3**	**21**	**241**	**250**		
		Total All Land	**10**	**9**	**12**	**38**	**73**	**15**	**195**	**13**	**43**	**398**	**408**	**151**	**7**

REGION 10

Number of Wildfires by Statistical Cause

Table 1 1990

National Forest	State		Lightning	Person - Caused								Total Person-Caused	Total All Causes	Non-NFS Land Under FS Protection	
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
CHUGACH	AK	National Forest	0	0	0	11	0	0	0	0	0	11	11		
		Total All Land	0	1	0	12	0	0	0	0	0	13	13	2	0
KETCHIKAN-TONGASS	AK	National Forest	1	0	0	1	1	0	0	0	0	2	3		
		Total All Land	1	0	0	2	1	0	0	0	1	4	5	2	0
REGION 10 TOTAL		**National Forest**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**13**	**14**			
		Total All Land	**1**	**1**	**0**	**14**	**1**	**0**	**0**	**0**	**1**	**17**	**18**	**4**	**0**

ALL REGIONS TOTAL

ALL REGIONS TOTAL		**National Forest**	**6864**	**213**	**253**	**1019**	**191**	**46**	**972**	**57**	**628**	**3379**	**10243**		
		Total All Land	**7358**	**313**	**319**	**1124**	**459**	**80**	**1225**	**141**	**931**	**4592**	**11950**	**1477**	**230**

Number of Wildfires by Statistical Cause by State

Table 2

1990

State		*Person - Caused*									**Total** Person-Caused	**Total** All Causes	Non-NFS Land Under FS Protection	
		Lightning	Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
ALABAMA	National Forest	17	1	0	3	4	0	4	83	100				
	Total All Land	17	2	1	4	11	1	76	1	6	**102**	**119**	19	0
ALASKA	National Forest	1	0	0	12	1	0	0	0	0	**13**	**14**		
	Total All Land	1	1	0	14	1	0	0	0	1	**17**	**18**	4	0
ARIZONA	National Forest	824	40	32	193	10	14	26	10	71	**396**	**1220**		
	Total All Land	886	42	36	205	12	14	27	15	76	**427**	**1313**	91	2
ARKANSAS	National Forest	15	1	3	5	5	0	43	1	15	**73**	**88**		
	Total All Land	16	1	3	7	18	0	53	1	16	**99**	**115**	20	7
CALIFORNIA	National Forest	1750	67	54	195	41	13	83	20	190	**663**	**2413**		
	Total All Land	1967	132	88	236	112	24	160	73	357	**1182**	**3149**	604	132
COLORADO	National Forest	227	5	13	33	3	0	0	1	12	**67**	**294**		
	Total All Land	250	5	14	36	4	1	1	3	21	**85**	**335**	28	13
FLORIDA	National Forest	67	8	8	5	5	0	41	0	16	**83**	**150**		
	Total All Land	70	11	8	7	7	0	46	1	26	**106**	**176**	24	2
GEORGIA	National Forest	6	0	0	3	2	0	43	0	14	**62**	**68**		
	Total All Land	8	0	0	3	10	0	47	0	20	**80**	**88**	14	6
IDAHO	National Forest	855	11	14	70	12	1	15	3	22	**148**	**1003**		
	Total All Land	898	14	18	75	22	5	15	4	30	**183**	**1081**	72	6
ILLINOIS	National Forest	0	0	0	0	1	0	3	0	0	**4**	**4**		
	Total All Land	0	0	0	0	11	0	3	1	0	**15**	**15**	8	3
INDIANA	National Forest	0	0	0	3	0	0	4	0	0	**7**	**7**		
	Total All Land	0	0	0	3	1	0	4	0	0	**8**	**8**	1	0
KANSAS	National Forest	8	0	0	1	0	0	0	0	0	**1**	**9**		
	Total All Land	9	1	0	1	0	0	0	0	0	**2**	**11**	2	0
KENTUCKY	National Forest	0	1	1	6	1	0	87	0	7	**103**	**103**		
	Total All Land	0	1	1	6	2	0	105	0	8	**123**	**123**	20	0
LOUISIANA	National Forest	11	1	1	4	4	0	59	1	5	**75**	**86**		
	Total All Land	11	1	1	4	6	0	64	1	7	**84**	**95**	7	2
MICHIGAN	National Forest	0	0	2	3	4	0	0	0	1	**10**	**10**		
	Total All Land	0	0	3	3	11	0	0	1	3	**21**	**21**	11	0
MINNESOTA	National Forest	7	3	2	23	1	6	13	1	4	**53**	**60**		
	Total All Land	8	6	4	27	16	13	32	8	9	**115**	**123**	62	1
MISSISSIPPI	National Forest	8	4	1	5	6	1	165	0	57	**239**	**247**		
	Total All Land	10	4	3	5	12	2	201	0	64	**291**	**301**	47	7
MISSOURI	National Forest	1	1	0	1	6	0	123	1	14	**146**	**147**		
	Total All Land	1	1	0	1	12	0	132	1	24	**171**	**172**	24	1
MONTANA	National Forest	434	11	20	89	12	1	8	2	29	**172**	**606**		
	Total All Land	494	17	27	107	39	8	9	4	53	**264**	**758**	141	11

Number of Wildfires by Statistical Cause by State, Cont'd.

Table 2

1990

State		*Person - Caused*									**Total** Person-Caused	**Total** All Causes	Non-NFS Land Under FS Protection	
		Lightning	Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc			Within	Outside
NEBRASKA	National Forest	6	1	0	0	0	0	0	0	0	**1**	**7**		
	Total All Land	6	2	0	0	0	0	0	0	0	**2**	**8**	0	1
NEVADA	National Forest	79	1	3	22	2	0	2	3	7	**40**	**119**		
	Total All Land	83	3	3	23	2	0	2	3	8	**44**	**127**	6	2
NEW MEXICO	National Forest	409	7	21	37	2	0	10	2	21	**100**	**509**		
	Total All Land	423	8	25	40	6	0	13	8	28	**128**	**551**	34	8
NORTH CAROLINA	National Forest	7	3	1	2	3	0	19	1	6	**35**	**42**		
	Total All Land	8	4	2	2	9	1	30	1	11	**60**	**68**	23	3
NORTH DAKOTA	National Forest	0	6	0	0	0	1	0	0	0	**7**	**7**		
	Total All Land	0	7	0	1	0	1	0	0	0	**9**	**9**	2	0
OHIO	National Forest	0	0	0	0	0	0	4	0	0	**4**	**4**		
	Total All Land	0	0	0	0	9	0	16	0	3	**28**	**28**	22	2
OKLAHOMA	National Forest	2	1	0	0	1	1	5	0	7	**15**	**17**		
	Total All Land	2	2	0	0	5	1	6	0	7	**21**	**23**	6	0
OREGON	National Forest	1152	15	41	126	29	4	29	3	52	**299**	**1451**		
	Total All Land	1162	16	41	127	31	4	29	3	52	**303**	**1465**	10	4
PENNSYLVANIA	National Forest	0	1	1	1	0	0	3	1	1	**8**	**8**		
	Total All Land	0	1	1	1	1	0	3	1	1	**9**	**9**	1	0
SOUTH CAROLINA	National Forest	2	11	0	2	6	0	12	0	3	**34**	**36**		
	Total All Land	4	11	1	2	22	0	20	0	10	**66**	**70**	32	2
SOUTH DAKOTA	National Forest	75	3	1	3	2	0	1	1	13	**24**	**99**		
	Total All Land	79	6	1	4	6	0	1	1	16	**35**	**114**	14	1
TENNESSEE	National Forest	3	0	1	3	1	0	24	0	6	**35**	**38**		
	Total All Land	3	0	1	3	3	0	30	0	6	**43**	**46**	8	0
TEXAS	National Forest	0	4	2	5	3	2	56	1	5	**78**	**78**		
	Total All Land	0	4	2	5	11	2	59	1	6	**90**	**90**	12	0
UTAH	National Forest	199	1	5	27	4	0	7	2	3	**49**	**248**		
	Total All Land	212	2	6	30	6	0	18	4	10	**76**	**288**	33	7
VIRGINIA	National Forest	4	2	5	6	0	0	10	1	10	**34**	**38**		
	Total All Land	4	2	5	6	1	1	14	1	13	**43**	**47**	8	1
WASHINGTON	National Forest	552	0	11	85	16	0	4	2	23	**141**	**693**		
	Total All Land	574	2	11	88	26	0	4	3	27	**161**	**735**	36	6
WEST VIRGINIA	National Forest	0	0	0	0	0	0	1	0	2	**3**	**3**		
	Total All Land	0	1	1	0	0	0	1	0	2	**5**	**5**	2	0
WISCONSIN	National Forest	1	0	1	1	2	1	2	0	0	**7**	**8**		
	Total All Land	1	0	3	3	12	2	4	1	2	**27**	**28**	20	0
WYOMING	National Forest	141	3	9	45	2	0	0	0	8	**67**	**208**		
	Total All Land	150	3	9	45	2	0	0	0	8	**67**	**217**	9	0

REGION 1

Number of Acres Burned by Statistical Causes (Inside Protection Boundaries)

Table 3

1990

National Forest	State		Lightning	*Person - Caused*								**Total All Causes**
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc	
BEAVERHEAD	MT	National Forest	22	1	0	4	4	0	0	0	7	**38**
		Total All Land	22	18	1	17	4	0	0	0	9	**71**
BITTERROOT	ID	National Forest	7	0	0	3160	0	0	0	0	0	**3167**
		Total All Land	7	0	0	3160	0	0	0	0	0	**3167**
	MT	National Forest	2683	2	2	2	0	0	0	0	0	**2689**
		Total All Land	2686	2	2	2	1	0	0	0	0	**2693**
IDAHO PANHANDLE	ID	National Forest	6	21	0	0	98	1	1	0	12	**139**
		Total All Land	8	21	1	1	106	2	1	0	13	**153**
	WA	National Forest	0	0	0	0	0	0	0	0	0	**0**
		Total All Land	0	0	0	0	0	0	0	0	0	**0**
CLEARWATER	ID	National Forest	149	6	0	1	0	0	0	0	0	**156**
		Total All Land	152	6	0	1	0	0	0	0	0	**159**
CUSTER	MT	National Forest	1088	0	2	0	55	0	0	0	0	**1145**
		Total All Land	1088	0	2	0	55	0	0	0	0	**1145**
	ND	National Forest	0	27	0	28	0	2	0	0	0	**57**
		Total All Land	0	36	0	30	0	2	0	0	0	**68**
	SD	National Forest	117	0	0	0	0	0	0	0	128	**245**
		Total All Land	117	0	0	0	0	0	0	0	128	**245**
DEERLODGE	MT	National Forest	40	0	0	65	0	0	0	0	1	**106**
		Total All Land	40	0	1	66	0	0	0	0	3	**110**
FLATHEAD	MT	National Forest	9	0	0	1	140	0	0	0	19	**169**
		Total All Land	9	0	0	1	141	0	0	0	20	**171**
GALLATIN	MT	National Forest	72	0	0	1	3400	0	0	0	0	**3473**
		Total All Land	72	0	0	1	3400	0	0	0	0	**3473**
HELENA	MT	National Forest	19	3	0	1186	35	0	0	0	0	**1243**
		Total All Land	20	3	0	1186	35	0	0	0	0	**1244**
KOOTENAI	MT	National Forest	84	88	0	2	95	0	0	0	4	**273**
		Total All Land	85	89	0	2	112	0	1	0	6	**295**
LEWIS AND CLARK	MT	National Forest	4	0	6	7	0	0	4500	0	31	**4548**
		Total All Land	4	0	6	7	0	0	4500	0	31	**4548**
LOLO	MT	National Forest	56	3	0	1	89	0	1	0	1	**151**
		Total All Land	59	6	2	2	95	1	1	0	3	**169**
NEZPERCE	ID	National Forest	104	0	0	235	0	0	0	0	0	**339**
		Total All Land	104	250	5	295	0	0	0	0	1	**655**
REGION 1 TOTAL		**National Forest**	**4460**	**151**	**10**	**4693**	**3916**	**3**	**4502**	**0**	**203**	**17938**
		Total All Land	**4473**	**431**	**20**	**4771**	**3949**	**5**	**4503**	**0**	**214**	**18366**

REGION 2

Number of Acres Burned by Statistical Causes (Inside Protection Boundaries)

Table 3

1990

National Forest	State		Lightning	*Person - Caused*								**Total All Causes**
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc	
BIGHORN	WY	National Forest	7	0	0	2	0	0	0	0	0	**9**
		Total All Land	22	0	0	2	0	0	0	0	0	**24**
BLACK HILLS	SD	National Forest	67	9258	0	15	72	0	0	0	15	**9427**
		Total All Land	69	9684	0	15	76	0	0	0	17	**9861**
	WY	National Forest	54	0	0	0	0	0	0	0	0	**54**
		Total All Land	54	0	0	0	0	0	0	0	0	**54**
GRAND MESA-UNC-GUNN	CO	National Forest	4221	0	0	5	0	0	0	0	78	**4304**
		Total All Land	4289	0	7	5	0	0	0	0	78	**4379**
MEDICINE BOW	WY	National Forest	91	0	5	12	0	0	0	0	0	**108**
		Total All Land	94	0	5	12	0	0	0	0	0	**111**
NEBRASKA	NE	National Forest	16	800	0	0	0	0	0	0	0	**816**
		Total All Land	16	800	0	0	0	0	0	0	0	**816**
	SD	National Forest	2	80	0	0	0	0	0	0	0	**82**
		Total All Land	2	80	0	0	0	0	0	0	0	**82**
RIO GRANDE	CO	National Forest	7	3	0	2	0	0	0	0	0	**12**
		Total All Land	8	3	0	2	0	0	0	0	0	**13**
ARAPAHO-ROOSEVELT	CO	National Forest	196	0	1	0	0	0	0	0	0	**197**
		Total All Land	197	0	1	0	0	0	0	0	1	**199**
ROUTT	CO	National Forest	2	0	1	0	0	0	0	0	1	**4**
		Total All Land	6	0	1	0	0	0	0	0	1	**8**
PIKE-SAN ISABEL	CO	National Forest	159	0	320	10	0	0	0	0	2	**491**
		Total All Land	184	0	320	10	0	1	0	0	9	**524**
	KS	National Forest	39	0	0	5	0	0	0	0	0	**44**
		Total All Land	99	32	0	5	0	0	0	0	0	**136**
SAN JUAN	CO	National Forest	60	2	0	0	0	0	0	0	0	**62**
		Total All Land	61	2	0	0	0	0	0	0	0	**63**
SHOSHONE	WY	National Forest	2	2	0	1	0	0	0	0	0	**5**
		Total All Land	2	2	0	1	0	0	0	0	0	**5**
WHITE RIVER	CO	National Forest	220	0	2	14	15	0	0	0	0	**251**
		Total All Land	220	0	2	14	15	0	0	0	0	**251**
REGION 2 TOTAL		**National Forest**	**5143**	**10145**	**329**	**66**	**87**	**0**	**0**	**0**	**96**	**15866**
		Total All Land	**5323**	**10603**	**336**	**66**	**91**	**1**	**0**	**0**	**106**	**16526**

REGION 3

Number of Acres Burned by Statistical Causes (Inside Protection Boundaries)

Table 3

1990

National Forest	State		Lightning	*Person - Caused*								Total All Causes
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc	
APACHE-SITGREA VES	AZ	National Forest	838	1	44	31	6	0	1	0	24	**945**
		Total All Land	840	1	44	31	6	0	1	0	24	**947**
CARSON	NM	National Forest	77	0	10	12	0	0	7	0	288	**394**
		Total All Land	77	0	12	12	0	0	7	0	288	**396**
CIBOLA	NM	National Forest	388	0	3	7	0	0	4	0	131	**533**
		Total All Land	411	0	3	12	0	0	4	0	131	**561**
	OK	National Forest	0	120	0	0	0	0	0	0	3	**123**
		Total All Land	0	120	0	0	0	0	0	0	3	**123**
COCONINO	AZ	National Forest	1236	159	5	318	0	0	1	1	59	**1779**
		Total All Land	1237	159	5	319	0	0	1	1	60	**1782**
CORONADO	AZ	National Forest	6413	0	12	251	0	0	3	0	3472	**10151**
		Total All Land	6413	0	12	253	0	0	3	0	3472	**10153**
	NM	National Forest	4	0	0	0	0	0	0	0	0	**4**
		Total All Land	4	0	0	0	0	0	0	0	0	**4**
GILA	NM	National Forest	3339	6	81	6	0	0	125	0	22	**3579**
		Total All Land	3339	6	81	6	0	0	125	0	22	**3579**
KAIBAB	AZ	National Forest	31	0	2	4	0	1	1	0	187	**226**
		Total All Land	31	0	2	4	0	1	1	0	187	**226**
LINCOLN	NM	National Forest	18	0	4	3	0	0	0	0	17160	**17185**
		Total All Land	19	0	5	3	3	0	2	5	17171	**17208**
PRESCOTT	AZ	National Forest	843	868	0	8	0	0	0	1	104	**1824**
		Total All Land	843	868	0	8	0	0	0	1	104	**1824**
SANTA FE	NM	National Forest	772	1	4	55	0	0	3	0	1	**836**
		Total All Land	772	1	4	55	0	0	3	0	1	**836**
TONTO	AZ	National Forest	26531	7	1	280	0	0	44	0	10	**26873**
		Total All Land	28554	7	1	280	0	0	44	0	10	**28896**
REGION 3 TOTAL		**National Forest**	**40490**	**1162**	**166**	**975**	**6**	**1**	**189**	**2**	**21461**	**64452**
		Total All Land	**42540**	**1162**	**169**	**983**	**9**	**1**	**191**	**7**	**21473**	**66535**

REGION 4

Number of Acres Burned by Statistical Causes (Inside Protection Boundaries)

Table 3
1990

National Forest	State		Lightning	*Person - Caused*								**Total All Causes**
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc	
ASHLEY	UT	National Forest	18	0	0	0	131	0	0	0	0	**149**
		Total All Land	18	0	0	0	131	0	0	0	0	**149**
	WY	National Forest	0	0	0	0	0	0	0	0	0	**0**
		Total All Land	0	0	0	0	0	0	0	0	0	**0**
BOISE	ID	National Forest	1098	0	1	3	0	0	1500	0	7	**2609**
		Total All Land	1101	0	1	3	4	0	1500	0	7	**2616**
BRIDGER-TETON	WY	National Forest	203	0	3	4	20	0	0	0	11	**241**
		Total All Land	203	0	3	4	20	0	0	0	11	**241**
CARIBOU	ID	National Forest	384	5	0	1	0	0	0	0	3	**393**
		Total All Land	479	5	0	1	0	0	0	0	3	**488**
CHALLIS	ID	National Forest	31	0	266	1	1	0	0	0	0	**299**
		Total All Land	32	0	266	1	1	0	0	0	0	**300**
DIXIE	UT	National Forest	537	0	81	1	30	0	0	0	0	**649**
		Total All Land	572	0	81	1	45	0	0	0	0	**699**
FISHLAKE	UT	National Forest	391	0	0	0	0	0	0	0	0	**391**
		Total All Land	391	0	0	0	0	0	0	0	0	**391**
HUMBOLDT	ID	National Forest	10	0	0	0	0	0	0	0	0	**10**
		Total All Land	10	0	0	0	0	0	0	0	0	**10**
	NV	National Forest	3942	0	0	0	0	0	160	0	0	**4102**
		Total All Land	4252	0	0	0	0	0	160	0	0	**4414**
MANTI-LASAL	CO	National Forest	15	0	0	0	0	0	0	0	0	**15**
		Total All Land	15	0	0	0	0	0	0	0	0	**15**
	UT	National Forest	12	0	0	0	0	0	0	0	0	**12**
		Total All Land	12	0	0	0	0	0	0	0	0	**12**
PAYETTE	ID	National Forest	8425	0	0	21	1	0	0	0	1	**8448**
		Total All Land	8459	0	0	21	1	0	0	0	1	**8482**
SALMON	ID	National Forest	636	0	0	1	0	0	0	0	0	**637**
		Total All Land	636	0	0	1	0	0	0	0	0	**637**
SAWTOOTH	ID	National Forest	92	7835	175	8	0	0	1	0	0	**8111**
		Total All Land	92	7875	175	8	0	0	1	0	0	**8151**
TARGHEE	ID	National Forest	24	1	0	1	37	1	0	0	1	**65**
		Total All Land	25	1	0	1	37	1	0	0	1	**66**
	WY	National Forest	6	1	0	0	0	0	0	0	0	**7**
		Total All Land	6	1	0	0	0	0	0	0	0	**7**

REGION 4, Cont'd.

Number of Acres Burned by Statistical Causes (Inside Protection Boundaries)

Table 3

1990

National Forest	State		Lightning	*Person - Caused*								**Total All Causes**
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc	
TOIYABE	CA	National Forest	1114	0	0	1	0	66	0	0	0	**1181**
		Total All Land	1187	0	0	1	0	219	0	0	0	**1407**
	NV	National Forest	87	0	0	2	1	0	0	0	7	**97**
		Total All Land	91	0	0	2	1	0	0	0	7	**101**
UINTA	UT	National Forest	305	0	0	1	0	0	1	0	1	**308**
		Total All Land	305	0	0	1	0	0	4	1	1	**312**
WASATCH	UT	National Forest	3925	0	1	17	0	0	0	0	392	**4335**
		Total All Land	4933	0	1	17	0	0	0	0	404	**5355**
REGION 4 TOTAL		**National Forest**	**21255**	**7842**	**527**	**62**	**221**	**67**	**1662**	**0**	**423**	**32059**
		Total All Land	**22819**	**7884**	**527**	**62**	**240**	**220**	**1665**	**1**	**435**	**33853**

REGION 5

Number of Acres Burned by Statistical Causes (Inside Protection Boundaries)

Table 3

1990

National Forest	State		Lightning	*Person - Caused*								**Total All Causes**
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc	
ANGELES	CA	National Forest	212	4	2	10	0	0	721	0	49	**998**
		Total All Land	212	4	2	20	0	0	905	1	53	**1197**
CLEVELAND	CA	National Forest	147	1	0	13	0	0	8	0	2328	**2497**
		Total All Land	194	2	0	13	0	0	18	1	2371	**2599**
ELDORADO	CA	National Forest	23	0	0	4	11	0	1	0	11	**50**
		Total All Land	26	0	2	4	16	0	1	0	17	**66**
INYO	CA	National Forest	104	0	0	7	0	0	0	0	1	**112**
		Total All Land	104	0	0	7	0	0	0	0	1	**112**
	NV	National Forest	0	0	0	0	0	0	0	0	0	**0**
		Total All Land	0	0	0	0	0	0	0	0	0	**0**
KLAMATH	CA	National Forest	123	0	0	0	52	0	0	0	2	**177**
		Total All Land	129	0	0	0	59	1	1	0	2	**192**
	OR	National Forest	1	0	0	0	0	0	0	0	0	**1**
		Total All Land	1	0	0	0	0	0	0	0	0	**1**
LASSEN	CA	National Forest	3294	2	222	1	0	0	32	0	12	**3563**
		Total All Land	3776	2	320	1	0	0	57	0	12	**4168**
LOS PADRES	CA	National Forest	38	1	0	889	1	0	478	0	1366	**2773**
		Total All Land	42	2	0	889	10	0	1790	0	1701	**4434**

REGION 5, Cont'd.

Number of Acres Burned by Statistical Causes (Inside Protection Boundaries)

Table 3

1990

National Forest	State		Lightning	*Person - Caused*								**Total All Causes**
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc	
MENDOCINO	CA	National Forest	3547	0	0	4	28	0	27	0	3	**3609**
		Total All Land	3748	0	0	4	28	0	27	0	3	**3810**
MODOC	CA	National Forest	2302	0	0	4	0	0	0	0	2	**2308**
		Total All Land	2302	0	0	4	1	0	0	0	34	**2341**
SIX RIVERS	CA	National Forest	21	0	1	1	2	0	0	0	3	**28**
		Total All Land	22	0	1	1	6	0	7	6	4	**47**
PLUMAS	CA	National Forest	1179	9	7	1	71	0	0	387	2	**1656**
		Total All Land	1189	15	17	1	95	0	0	479	4	**1800**
SAN BERNARDINO	CA	National Forest	13	26	3	8	2	3	639	1	181	**876**
		Total All Land	13	177	3	9	2	3	675	5	200	**1087**
SEQUOIA	CA	National Forest	24413	7	1	30	2	0	115	1	497	**25066**
		Total All Land	24413	12	1	30	2	0	125	1	497	**25081**
SHASTA-TRINITY	CA	National Forest	490	5	1	8	1	0	4	0	3	**512**
		Total All Land	512	11	1	9	49	1	9	1	6	**599**
SIERRA	CA	National Forest	10468	1	1	133	98	0	5	0	5274	**15980**
		Total All Land	11669	1	1	133	101	0	5	0	5447	**17357**
	VA	National Forest	0	0	0	0	0	0	0	0	0	**0**
		Total All Land	0	0	0	0	0	0	0	0	0	**0**
STANISLAUS	CA	National Forest	11674	77	2	3	2	0	2007	0	3	**13768**
		Total All Land	11674	78	3	3	4	0	2072	1	6	**13841**
TAHOE	CA	National Forest	239	0	1	2	5	0	2	0	9	**258**
		Total All Land	325	1	1	3	6	1	2	0	10	**349**
LAKE TAHOE BASIN	CA	National Forest	5	0	0	1	1	0	1	1	1	**10**
		Total All Land	5	0	1	1	1	0	1	1	1	**11**
	NV	National Forest	0	0	0	0	0	0	0	2	0	**2**
		Total All Land	1	0	0	0	0	0	0	2	0	**3**
REGION 5 TOTAL		**National Forest**	**58293**	**133**	**241**	**1119**	**276**	**3**	**4040**	**392**	**9747**	**74244**
		Total All Land	**60357**	**305**	**353**	**1132**	**380**	**6**	**5695**	**498**	**10369**	**79095**

REGION 6

Number of Acres Burned by Statistical Causes (Inside Protection Boundaries)

Table 3

1990

National Forest	State		Lightning	*Person - Caused*								**Total All Causes**
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc	
DESCHUTES	OR	National Forest	427	3	2	525	1	0	1903	8	684	**3553**
		Total All Land	692	3	2	925	1	0	1903	8	684	**4218**
FREMONT	OR	National Forest	35	0	0	1	0	0	0	0	6	**42**
		Total All Land	35	0	0	1	0	0	0	0	6	**42**
GIFFORD PINCHOT	WA	National Forest	617	0	1	1	6	0	0	1	3	**629**
		Total All Land	617	0	1	1	9	0	0	1	3	**632**
MALHEUR	OR	National Forest	26610	0	0	31	104	0	0	0	4	**26749**
		Total All Land	26810	0	0	31	104	0	0	0	4	**26949**
MT. BAKER-SNOQUALMI	WA	National Forest	199	0	0	381	0	0	0	0	0	**580**
		Total All Land	199	0	0	381	0	0	0	0	0	**580**
MT. HOOD	OR	National Forest	24	0	1	2	42	0	27	0	2	**98**
		Total All Land	24	0	1	2	42	0	27	0	2	**98**
OCHOCO	OR	National Forest	58676	0	0	10	0	0	0	0	4	**58690**
		Total All Land	58677	0	0	10	0	0	0	0	4	**58691**
OKANOGAN	WA	National Forest	904	0	0	2	28	0	0	0	0	**934**
		Total All Land	911	25	0	2	41	0	0	2	8	**989**
OLYMPIC	WA	National Forest	0	0	0	1	1	0	0	0	16	**18**
		Total All Land	0	0	0	1	1	0	0	0	16	**18**
ROGUE RIVER	CA	National Forest	8	0	0	0	0	0	0	0	0	**8**
		Total All Land	8	0	0	0	0	0	0	0	0	**8**
	OR	National Forest	20	0	0	0	0	0	0	0	0	**20**
		Total All Land	20	0	0	0	0	0	0	0	0	**20**
SISKIYOU	OR	National Forest	1	0	0	2299	1	0	0	0	0	**2301**
		Total All Land	1	0	0	2299	1	0	0	0	0	**2301**
SIUSLAW	OR	National Forest	0	0	0	0	2	0	0	0	0	**2**
		Total All Land	0	0	0	1	2	0	0	0	0	**3**
UMATILLA	OR	National Forest	234	0	2	2	0	0	0	0	1	**239**
		Total All Land	234	0	2	2	0	0	0	0	1	**239**
	WA	National Forest	9	0	0	2	3	0	0	0	0	**14**
		Total All Land	10	0	0	2	5	0	0	0	0	**17**
UMPQUA	OR	National Forest	29	52	2	1	0	0	0	0	2	**86**
		Total All Land	29	52	2	1	0	0	0	0	2	**86**
WALLOWA-WHITMAN	ID	National Forest	105	0	0	0	0	0	0	0	0	**105**
		Total All Land	105	0	0	0	0	0	0	0	0	**105**
	OR	National Forest	590	0	2	3	8	0	0	0	0	**603**
		Total All Land	590	0	2	3	8	0	0	0	0	**603**
WENATCHEE	WA	National Forest	3069	0	2	4	181	0	0	0	3	**3259**
		Total All Land	4081	0	2	5	181	0	0	0	3	**4272**

REGION 6, Cont'd.

Number of Acres Burned by Statistical Causes (Inside Protection Boundaries)

Table 3
1990

National Forest	State		Lightning	*Person - Caused*								**Total All Causes**
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc	
WILLAMETTE	OR	National Forest	19	30	1	8	195	0	0	0	0	**253**
		Total All Land	19	30	1	8	195	0	0	0	0	**253**
WINEMA	OR	National Forest	19	19	0	89	8	0	1	0	2	**138**
		Total All Land	19	19	0	89	8	0	1	0	2	**138**
COLVILLE	WA	National Forest	9	0	0	1	86	0	0	0	0	**96**
		Total All Land	9	0	0	1	86	0	0	0	0	**96**
REGION 6 TOTAL		**National Forest**	**91604**	**104**	**13**	**3363**	**666**	**0**	**1931**	**9**	**727**	**98417**
		Total All Land	**93090**	**129**	**13**	**3765**	**684**	**0**	**1931**	**11**	**735**	**100358**

REGION 8

Number of Acres Burned by Statistical Causes (Inside Protection Boundaries)

Table 3
1990

National Forest	State		Lightning	*Person - Caused*								**Total All Causes**
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc	
ALABAMA	AL	National Forest	195	8	0	117	36	8	1021	0	108	**1493**
		Total All Land	195	13	3	173	89	8	1074	0	148	**1703**
DANIEL BOONE	KY	National Forest	0	1	7	23	10	0	1343	0	65	**1449**
		Total All Land	0	1	8	28	40	0	2059	0	102	**2238**
CHATTAHOOCHEE-OCONE	GA	National Forest	53	0	0	20	309	0	549	0	91	**1022**
		Total All Land	53	0	0	20	323	0	568	0	105	**1069**
	SC	National Forest	0	0	0	0	0	0	14	0	0	**14**
		Total All Land	0	0	0	0	0	0	14	0	0	**14**
CHEROKEE	TN	National Forest	15	0	60	51	0	0	138	0	23	**287**
		Total All Land	15	0	60	51	15	0	229	0	38	**408**
FLORIDA	FL	National Forest	1347	60	8	17	1	0	1899	0	120	**3452**
		Total All Land	1424	62	8	17	3	0	1904	0	143	**3561**
MISSISSIPPI	MS	National Forest	491	1	1	51	24	2	3625	0	3442	**7637**
		Total All Land	499	2	2	51	50	7	4356	0	3740	**8707**
GEORGE WASHINGTON	VA	National Forest	33	0	16	6	0	4	110	0	331	**500**
		Total All Land	33	0	16	6	8	5	111	0	331	**510**
	WV	National Forest	0	0	0	0	0	0	0	0	0	**0**
		Total All Land	0	0	0	0	0	0	0	0	0	**0**
QUACHITA	AR	National Forest	146	0	0	8	116	0	420	1	39	**730**
		Total All Land	146	0	0	8	161	0	463	1	39	**818**
	OK	National Forest	7	0	0	0	3	0	14	0	3	**27**
		Total All Land	7	3	0	0	11	3	54	0	8	**86**

REGION 8, Cont'd.

Number of Acres Burned by Statistical Causes (Inside Protection Boundaries) **Table 3**

1990

National Forest	State		Lightning	*Person - Caused*								**Total All Causes**
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc	
OZARK-ST FRANCIS	AR	National Forest	40	0	4	20	59	0	180	0	53	**356**
		Total All Land	40	0	4	135	156	0	293	0	86	**714**
NORTH CAROLINA	NC	National Forest	97	116	0	15	55	0	232	1	226	**742**
		Total All Land	97	125	3	15	133	1	292	1	279	**946**
FRANCIS MARION-SUMTER	SC	National Forest	6	3	0	0	22	0	186	0	2	**219**
		Total All Land	393	3	3	0	48	0	244	0	15	**706**
TEXAS	TX	National Forest	0	5	4	49	23	10	1113	1	19	**1224**
		Total All Land	0	10	4	49	59	10	1903	1	22	**2058**
JEFFERSON	VA	National Forest	2	1	0	352	0	0	87	0	108	**550**
		Total All Land	2	1	0	426	0	0	149	0	109	**687**
CARIBBEAN	KY	National Forest	0	0	0	0	0	0	1	0	0	**1**
		Total All Land	0	0	0	0	0	0	1	0	0	**1**
REGION 8 TOTAL		**National Forest**	**2512**	**200**	**102**	**743**	**689**	**24**	**11611**	**7**	**4642**	**20530**
		Total All Land	**2984**	**225**	**113**	**993**	**1137**	**34**	**14678**	**7**	**5180**	**25351**

REGION 9

Number of Acres Burned by Statistical Causes (Inside Protection Boundaries) **Table 3**

1990

National Forest	State		Lightning	*Person - Caused*								**Total All Causes**
				Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc	
CHEQUAMEGON	WI	National Forest	0	0	3	0	0	0	0	0	0	**3**
		Total All Land	0	0	3	0	6	0	0	0	0	**9**
CHIPPEWA	MN	National Forest	1	55	1	1	0	33	336	0	2	**429**
		Total All Land	5	57	6	1	62	43	972	3	18	**1167**
HURON-MANISTEE	MI	National Forest	0	0	5	6	0	0	0	0	0	**11**
		Total All Land	0	0	6	6	6	0	0	0	3	**21**
MARK TWAIN	MO	National Forest	66	2	0	20	350	0	2315	5	336	**3094**
		Total All Land	66	3	0	20	513	0	2734	5	462	**3803**
NICOLET	WI	National Forest	0	0	0	0	0	0	3	0	0	**3**
		Total All Land	0	0	4	4	16	0	6	0	1	**31**
OTTAWA	MI	National Forest	0	0	0	0	0	0	0	0	0	**0**
		Total All Land	0	0	0	0	7	0	0	5	5	**17**
SHAWNEE	IL	National Forest	0	0	0	0	22	0	36	0	0	**58**
		Total All Land	0	0	0	0	213	0	36	1	0	**250**
SUPERIOR	MN	National Forest	12	0	1	17	0	0	14	0	1	**45**
		Total All Land	12	4	1	21	26	3	19	0	2	**88**

REGION 9, Cont'd.

Number of Acres Burned by Statistical Causes (Inside Protection Boundaries) **Table 3**

1990

National Forest	State		Lightning	*Person - Caused* Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc	**Total All Causes**
HIAWATHA	MI	National Forest	0	0	0	4	18	0	0	0	0	**22**
		Total All Land	0	0	50	4	35	0	0	0	0	**89**
WAYNE-HOOSIER	IN	National Forest	0	0	0	12	0	0	3	0	0	**15**
		Total All Land	0	0	0	12	0	0	3	0	0	**15**
	OH	National Forest	0	0	0	0	0	0	19	0	0	**19**
		Total All Land	0	0	0	0	62	0	49	0	39	**150**
ALLEGHENY	PA	National Forest	0	3	3	3	303	0	4	3	0	**319**
		Total All Land	0	3	3	3	601	0	4	3	0	**617**
MONONGAHELA	WV	National Forest	0	0	0	0	0	0	0	0	2	**2**
		Total All Land	0	0	2	0	0	0	0	0	2	**4**
REGION 9 TOTAL		**National Forest**	**79**	**60**	**13**	**63**	**693**	**33**	**2730**	**8**	**341**	**4020**
		Total All Land	**83**	**67**	**75**	**71**	**1547**	**46**	**3823**	**17**	**532**	**6261**

REGION 10

Number of Acres Burned by Statistical Causes (Inside Protection Boundaries) **Table 3**

1990

National Forest	State		Lightning	*Person - Caused* Equipment	Smoking	Campfire	Debris Burning	Railroad	Arson	Children	Misc	**Total All Causes**
CHUGACH	AK	National Forest	0	0	0	4	0	0	0	0	0	**4**
		Total All Land	0	0	0	4	0	0	0	0	0	**4**
KETCHIKAN-TONGASS	AK	National Forest	0	0	0	0	0	0	0	0	0	**0**
		Total All Land	0	0	0	0	0	0	0	0	1	**1**
REGION 10 TOTAL		**National Forest**	**0**	**0**	**0**	**4**	**0**	**0**	**0**	**0**	**0**	**4**
		Total All Land	**0**	**0**	**0**	**4**	**0**	**0**	**0**	**0**	**1**	**5**

ALL REGIONS

ALL REGIONS TOTAL		**National Forest**	**223836**	**19797**	**1401**	**11088**	**6554**	**131**	**26665**	**418**	**37640**	**327530**
		Total All Land	**231669**	**20806**	**1606**	**11847**	**8037**	**313**	**32486**	**541**	**39045**	**346350**

Number of Wildfires and Acres Burned By Major Causes and Size Classes

Table 4

1990

REGION	Cause	Class A		Class B		Class C		Class D		Class E		Class F		Class G		Total	
		No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
REGION 1	Lightning	600	71	229	265	16	316	2	200	2	1020	1	2600	0	0	**850**	**4472**
	Person - Caused	239	26	88	140	21	743	4	733	1	6	2	6560	2	5682	**357**	**13890**
	All Fires	839	97	317	405	37	1059	6	933	3	1026	3	9160	2	5682	**1207**	**18362**
REGION 2	Lightning	230	25	166	255	20	449	3	524	0	0	1	4068	0	0	**420**	**5321**
	Person - Caused	98	10	42	69	10	320	0	0	2	1120	0	0	1	9683	**153**	**11202**
	All Fires	328	35	208	324	30	769	3	524	2	1120	1	4068	1	9683	**573**	**16523**
REGION 3	Lightning	838	94	410	576	42	1285	11	1621	3	1556	3	6269	2	31138	**1309**	**42539**
	Person - Caused	353	38	170	210	21	686	8	1356	3	1586	1	2960	1	17160	**557**	**23996**
	All Fires	1191	132	580	786	63	1972	19	2977	6	3142	4	9229	3	48298	**1866**	**66536**
REGION 4	Lightning	693	77	278	435	26	834	11	1658	10	5024	3	6010	2	8780	**1023**	**22818**
	Person - Caused	176	19	61	81	12	280	5	828	2	449	1	1500	1	7875	**258**	**11032**
	All Fires	869	95	339	516	38	1114	16	2486	12	5473	4	7510	3	16655	**1281**	**33849**
REGION 5	Lightning	1440	151	360	433	19	550	7	861	5	961	5	7301	6	50100	**1842**	**60357**
	Person - Caused	828	80	275	352	48	1020	11	1075	9	3585	7	12626	0	0	**1178**	**18738**
	All Fires	2268	231	635	784	67	1570	18	1936	14	4546	12	19927	6	50100	**3020**	**79094**
REGION 6	Lightning	1240	141	449	572	41	1122	5	814	6	2246	5	5711	5	82487	**1751**	**93093**
	Person - Caused	341	37	97	166	22	913	0	0	4	1534	3	4621	0	0	**467**	**7271**
	All Fires	1581	179	546	73	63	2035	5	814	10	3780	8	10332	5	82487	**2218**	**100364**
REGION 8	Lightning	25	3	74	252	48	1494	3	529	2	708	0	0	0	0	**152**	**2986**
	Person - Caused	234	30	614	1633	322	9840	25	3526	9	4282	3	3056	0	0	**1207**	**22367**
	All Fires	259	32	688	1885	370	11334	28	4055	1	4990	3	3056	0	0	**1359**	**25352**
REGION 9	Lightning	3	0	6	16	1	66	0	0	0	0	0	0	0	0	**10**	**82**
	Person - Caused	68	9	220	528	100	2977	7	1167	3	1493	0	0	0	0	**398**	**6174**
	All Fires	71	10	226	545	101	3043	7	1167	3	1493	0	0	0	0	**408**	**6258**
REGION 10	Lightning	1	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	**0**
	Person - Caused	13	1	4	4	0	0	0	0	0	0	0	0	0	0	**17**	**5**
	All Fires	14	2	4	4	0	0	0	0	0	0	0	0	0	0	**18**	**6**
ALL REGIONS																	
Lightning		**5070**	**563**	**1972**	**2803**	**213**	**6117**	**42**	**6207**	**28**	**11515**	**18**	**31959**	**15**	**172505**	**7358**	**231669**
Person-Caused		**2350**	**250**	**1571**	**3182**	**556**	**16779**	**60**	**8685**	**33**	**14055**	**17**	**31323**	**5**	**40400**	**4592**	**114674**
All Fires		**7420**	**813**	**3543**	**5985**	**769**	**22895**	**102**	**14892**	**61**	**25570**	**35**	**63282**	**20**	**212905**	**11950**	**346342**

National Forest Protected Area

Historical Statistics 1910 - 89

Calendar Year	Lightning Fires	Person-Caused Fires	Total Fires	Acres Burned
1910	724	4,177	5,201	4,947,172
1911	948	2,421	3,369	779,980
1912	676	1,769	2,445	229,277
1913	1,571	2,989	4,560	450,052
1914	2,038	3,070	7,108	707,239
1915	1,799	4,525	6,324	558,542
1916	1,337	4,318	5,655	423,114
1917	2,132	5,682	7,814	1,214,674
1918	2,457	3,116	5,573	848,534
1919	2,197	4,603	6,800	2,277,131
Decade Avg.	1,588	3,667	5,485	1,243,572
1920	3,081	2,997	6,078	434,941
1921	1,451	4,400	5,851	471,146
1922	2,323	4,052	6,375	535,924
1923	2,052	3,116	5,168	394,393
1924	3,421	4,826	8,247	825,769
1925	5,001	3,262	8,263	349,050
1926	3,387	3,708	7,095	956,011
1927	3,074	2,619	5,693	224,278
1928	3,196	3,725	6,921	498,717
1929	3,499	3,950	7,449	978,107
Decade Avg.	3,049	3,666	6,714	566,834
1930	4,032	4,356	8,388	205,782
1931	2,917	5,549	8,466	640,086
1932	2,690	4,347	7,037	421,751
1933	2,307	4,008	6,315	159,896
1934	4,773	6,098	10,871	645,531
1935	4,031	6,658	10,689	242,107
1936	5,163	11,664	16,827	437,466
1937	5,470	6,195	11,665	102,586
1938	5,702	7,838	13,540	218,999
1939	7,269	8,555	15,824	355,930
Decade Avg.	4,435	6,527	10,962	343,013

Calendar Year	Lightning Fires	Person-Caused Fires	Total Fires	Acres Burned
1940	8,796	7,197	15,993	295,068
1941	5,554	5,663	11,207	251,187
1942	4,460	6,843	11,303	497,805
1943	4,459	6,931	11,390	316,657
1944	4,944	5,545	10,489	285,265
1945	5,107	4,878	9,985	231,155
1946	5,107	6,779	11,886	197,209
1947	4,410	6,815	11,225	254,413
1948	2,892	5,543	8,435	176,822
1949	6,057	5,469	11,526	190,864
Decade Avg.	5,179	6,166	11,344	269,645
1950	4,471	5,632	10,103	371,743
1951	4,940	5,444	10,384	395,625
1952	4,944	7,021	11,965	219,590
1953	5,975	5,987	11,962	280,604
1954	4,486	5,987	10,473	168,139
1955	3,763	4,410	8,173	372,918
1956	7,669	4,797	12,466	257,771
1957	3,912	3,305	7,217	141,191
1958	6,826	4,259	11,085	116,453
1959	4,891	4,744	9,635	288,608
Decade Avg.	5,188	5,159	10,346	261,264
1960	7,659	5,164	12,823	424,295
1961	10,576	4,583	15,159	224,394
1962	6,301	5,193	11,494	85,457
1963	6,471	6,269	12,740	127,571
1964	4,617	5,132	9,749	183,154
1965	5,243	4,122	9,365	75,765
1966	5,858	5,387	11,245	332,921
1967	6,790	4,981	11,771	204,106
1968	4,808	4,923	9,731	212,420
1969	4,726	5,308	10,034	92,126
Decade Avg.	6,305	5,106	11,411	196,221

Calendar Year	Lightning Fires	Person-Caused Fires	Total Fires	Acres Burned
1970	7,804	7,177	14,981	519,892
1971	5,876	6,363	12,239	171,867
1972	8,406	5,748	14,154	116,703
1973	6,376	6,048	12,424	168,692
1974	6,601	6,937	13,538	208,721
1975	4,893	5,929	10,822	177,002
1976	6,422	7,740	14,162	142,667
1977	7,811	6,606	14,417	447,532
1978	5,536	6,632	12,168	105,738
1979	5,111	6,247	11,358	370,806
Decade Avg.	6,484	6,543	13,026	242,962
1980	4,623	6,615	11,238	308,400
1981	5,976	7,006	12,982	209,631
1982	3,788	4,195	7,983	44,622
1983	3,767	3,776	7,543	66,498
1984	5,597	4,530	10,127	141,139
1985	5,428	4,753	10,181	568,297
1986	5,584	5,022	10,606	353,128
1987	6,779	6,483	13,262	1,162,757
1988	6,550	6,200	12,750	1,549,955
1989	6,930	5,023	11,953	475,799
Decade Avg.	5,502	5,360	10,863	488,023
80 year average	**4,716**	**5,274**	**10,019**	**451,442**
80 year total	**377,288**	**421,934**	**801,512**	**36,115,327**